



No. 46



15 NOVEMBER 2003

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nima.mil/>**



NSN 7642015018966  
NIMA REF.NO. NMXXX0346

## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

**Cover Photo:** The USNS GUADALUPE (T-AO 200) is one of the Military Sealift Command's fourteen underway replenishment oilers and part of the 36 ships in the Naval Fleet Auxiliary Force (NFAF). NFAF ships are the lifeline to U.S. Navy ships at sea. By providing food, fuel, ammunition, spare parts and other supplies these ships enable our naval combatants to operate worldwide at the highest operational level possible. For years, the GUADALUPE has played a vital role in the resupply of the Navy's Seventh Fleet ships operating in the Pacific. The GUADALUPE is 677 feet in length, has a beam of 97 feet, a draft of 35 feet and is crewed by civil service mariners. *Photo of USNS GUADALUPE courtesy of Military Sealift Command, Public Affairs Office.*

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 46/03**

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
NEW PRODUCTS  
OR SERVICES  
IMPORTANT  
CHANGES

**15 November 2003**

## **NEW EDITION OF SAILING DIRECTIONS**

PUB. 143, SAILING DIRECTIONS (ENROUTE) WEST COAST OF EUROPE AND NORTHWEST AFRICA, EIGHTH EDITION, 2003, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

## **NEW EDITION OF LIST OF LIGHTS**

PUB. 113, 2003 EDITION, LIST OF LIGHTS, RADIO AIDS AND FOG SIGNALS FOR THE WEST COASTS OF EUROPE AND AFRICA, THE MEDITERRANEAN SEA, BLACK SEA AND AZOVSKOYE MORE (SEA OF AZOV), IS READY FOR ISSUE. SEE SECTIONS II AND III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NIMA List of Lights.

**Section II-5** lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 46/03**

<b>1116A</b>	Ed. 6/03	LAST NM 45/03	46/03						
	Add	Dashed-line circle "Obstn" (PA)	28°52.2'N 93°55.2'W						
		(34/03 CG8)							
<b>★11324</b>	32Ed. 3/16/02	LAST NM 45/03	46/03						
	Relocate	Buoy "2" from 29°22'32.2"N 94°47'46.3"W to	29°22'27.4"N 94°47'34.9"W						
		(See 21/03-11324)							
	Add	Buoy "3" G, can	29°22'18.6"N 94°47'57.0"W						
		Buoy "4" R, nun	29°22'36.7"N 94°47'58.4"W						
		(34/03 CG8)							
<b>11326</b>	31Ed. 10/02	LAST NM 45/03	46/03						
		<b>(Page C)</b>							
	Relocate	Buoy "2" from 29°22'32"N 94°47'46"W to	29°22'27"N 94°47'35"W						
		(See 21/03-11326)							
	Add	Buoy "3" G, can	29°22'19"N 94°47'57"W						
		Buoy "4" R, nun	29°22'37"N 94°47'58"W						
		(34/03 CG8)							
<b>★11327</b>	31Ed. 8/03	NEW EDITION	46/03						
	Add	Tabulation of controlling depths from							
		Subsection I-2							
		(NOS)							
<b>★11330</b>	14Ed. 11/02	LAST NM 45/03	46/03						
	Add	Dashed-line circle "Obstn" (PA)	28°52.2'N 93°55.2'W						
		(34/03 CG8)							
<b>11340</b>	68Ed. 6/03	LAST NM 45/03	46/03						
	Add	Dashed-line circle "Obstn" (PA)	28°52.2'N 93°55.2'W						
		(34/03 CG8)							
<b>★11342</b>	52Ed. 5/03	LAST NM 42/03	46/03						
	Change	Range light, front to QR 25ft, QR 27ft 3M	29°45'26.9"N 93°53'22.9"W						
		(34/03 CG8)							
<b>★11344</b>	35Ed. 12/02	LAST NM 43/03	46/03						
	Delete	Position circle "Pipe" (PA)	29°36'11"N 92°47'32"W						
		(Supersedes 38/03-11344)							
	Add	Position circle "Pipe" [L23] (PA)	29°36'18"N 92°47'30"W						
		(34/03 CG8)							
<b>★11363</b>	38Ed. 3/30/02	LAST NM 45/03	46/03						
	Substitute	Stranded wreck [K24] (PA) for							
		dangerous wreck (PA)	29°52'18"N 88°59'42"W						
		(Supersedes 38/03-11363)							
		(34/03 CG8)							
<b>11367</b>	32Ed. 8/03	LAST NM 45/03	46/03						
		<b>(Side B)</b>							
	Relocate	"TRAFFIC LT & GRETNA LT "97"" from							
		29°55'30.7"N 90°03'36.3"W to	29°55'33.0"N 90°03'29.9"W						
		(34/03 CG8)							
<b>★11368</b>	22Ed. 7/02	LAST NM 45/03	46/03						
	Relocate	"TRAFFIC LT & GRETNA LT "97"" from							
		29°55'30.7"N 90°03'36.3"W to	29°55'33.0"N 90°03'29.9"W						
		(See 30/03-11368)							
		(34/03 CG8)							
<b>★12352</b>	30Ed. 9/03	NEW EDITION	46/03						
		(NOS)							
<b>13218</b>	38Ed. 3/10/01	LAST NM 5/03	46/03						
	Substitute	Depth 40 feet Obstn [K41] for 54 feet	41°26'12"N 71°23'15"W						
		(NTM0002/2003)							
<b>13221</b>	53Ed. 7/21/01	LAST NM 27/03	46/03						
	Substitute	Depth 40 feet Obstn [K41] for 54 feet	41°26'12"N 71°23'15"W						
		(NTM0002/2003)							
<b>★13223</b>	36Ed. 11/3/01	LAST NM 2/03	46/03						
	Substitute	Depth 40 feet Obstn [K41] for 54 feet	41°26'11.6"N 71°23'15.1"W						
		(NTM0002/2003)							
<b>★14842</b>	13Ed. 7/03	NEW EDITION	46/03						
		(NOS)							
<b>★14983</b>	9Ed. 8/03	NEW EDITION	46/03						
		(NOS)							
<b>★14986</b>	9Ed. 8/03	NEW EDITION	46/03						
		(NOS)							
<b>★16206</b>	7Ed. 1/17/98	LAST NM 2/02	46/03						
		<b>(Inset Nome Harbor)</b>							
	Delete	Depth 5 feet	64°29'59.5"N 165°25'20.1"W						
		Depth 6 feet	64°29'59.5"N 165°25'19.5"W						
		Depth 7 feet	64°29'53.9"N 165°24'52.8"W						
		Depth 6 feet	64°29'53.4"N 165°24'51.6"W						
		Depth 7 ½ feet	64°29'53.3"N 165°24'53.3"W						
	Change	Legend to "6 ½ FEET JUN 2003"	64°30'01.3"N 165°25'16.3"W						
		Legend to "7 FEET JUN 2003"	64°29'56.3"N 165°25'03.5"W						
		Legend to "8 FEET JUN 2003"	64°29'51.4"N 165°24'52.5"W						
	Add	Depth 5 feet	64°29'59.5"N 165°25'20.4"W						
		(NOS)							
<b>★16322</b>	7Ed. 7/4/92	LAST NM 8/03	46/03						
		<b>(Inset Dillingham Small Boat Basin)</b>							
	Change	Note to							
		"The entrance channel is 6 ½ feet above							
		MLLW; the project depth is 2 feet above							
		MLLW in the boat basin. Consult the Corps of							
		Engineers for controlling depths.							
		June 2003"	59°02'30.8"N 158°28'28.6"W						
		(NOS)							
<b>★16420</b>	10Ed. 8/03	NEW EDITION	46/03						
		(NOS)							
<b>★16608</b>	4Ed. 8/03	NEW EDITION	46/03						
		(NOS)							
<b>★17327</b>	21Ed. 8/03	NEW EDITION	46/03						
		(NOS)							
<b>★17405</b>	14Ed. 10/28/00	LAST NM 25/03	46/03						
		<b>(Inset Shelter Cove)</b>							
	Delete	Depth 1 ¼ fathoms	55°28'27.8"N 133°08'34.2"W						
		Depth 1 ¼ fathoms	55°28'30.3"N 133°08'33.8"W						
		Depth 1 fathom	55°28'34.6"N 133°08'40.0"W						
		Depth 4 fathoms	55°28'32.6"N 133°08'35.5"W						
		Depth 6 fathoms	55°28'30.0"N 133°08'38.2"W						
	Substitute	Depth ½ fathom for 1 fathom	55°28'30.4"N 133°08'38.0"W						
	Change	Note to							
		"The controlling depth in the entrance channel							
		and boat basin was 8.6 feet. APR 2003"	55°28'49.0"N 133°09'44.0"W						
		(NOS)							
<b>18416</b>	6Ed. 6/10/95	LAST NM 22/03	46/03						
	Add	Buoy "V21" G, Fl G 4s	48°24'53"N 123°24'08"W						
		(7(3415)03 Ottawa)							

<b>18419</b>	11Ed. 12/10/94	LAST NM 12/03	46/03		
Relocate	Buoy from 48°25'27.6"N 123°22'41.8"W to 48°25'27.9"N 123°22'40.0"W				
	(See 12/03-18419)				
Add	Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°25'20.2"N 123°23'21.0"W 48°25'06.4"N 123°23'32.4"W				
	Purple heavy dashed line (outside limit of traffic lane) [M15] between 48°25'20.8"N 123°23'23.5"W 48°25'07.4"N 123°23'34.9"W				
	Purple dashed line [M15] between 48°25'20.5"N 123°23'22.2"W 48°25'06.9"N 123°23'33.7"W				
	Buoy "V21" G, Fl G 4s 48°24'52.8"N 123°24'07.0"W				
	Buoy W Or, pillar 48°25'33.0"N 123°22'40.1"W				
	(7(3415)03 Ottawa)				
<b>★18650</b>	51Ed. 4/20/02	LAST NM 33/03	46/03		
Relocate	Light "2" from 37°48'44.5"N 122°25'11.9"W to 37°48'43.4"N 122°25'11.2"W				
	(39/03 CG11)				
<b>18652</b>	32Ed. 7/03	LAST NM 43/03	46/03		
	<b>(Page C)</b>				
Relocate	Buoy (mooring) "A" from 38°01'40"N 122°25'40"W to 38°01'40"N 122°25'01"W and add characteristic Fl 4s				
	(See 36/03-18652)				
Add	Characteristic Fl 4s to buoy (mooring) "B" 38°01'40"N 122°24'48"W				
	Characteristic Fl 4s to buoy (mooring) "C" 38°01'40"N 122°24'35"W				
	Characteristic Fl 4s to buoy (mooring) "D" 38°01'25"N 122°25'00"W				
	Characteristic Fl 4s to buoy (mooring) "E" 38°01'25"N 122°24'48"W				
	Characteristic Fl 4s to buoy (mooring) "F" 38°01'25"N 122°24'35"W				
	(39/03 CG11)				
<b>★18654</b>	42Ed. 4/6/02	LAST NM 35/03	46/03		
Relocate	Buoy (mooring) "A" from 38°01'40"N 122°25'40"W to 38°01'40"N 122°25'01"W and add characteristic Fl 4s				
	(See 35/03-18654)				
Add	Characteristic Fl 4s to buoy (mooring) "B" 38°01'40"N 122°24'48"W				
	Characteristic Fl 4s to buoy (mooring) "C" 38°01'40"N 122°24'35"W				
	Characteristic Fl 4s to buoy (mooring) "D" 38°01'25"N 122°25'00"W				
	Characteristic Fl 4s to buoy (mooring) "E" 38°01'25"N 122°24'48"W				
	Characteristic Fl 4s to buoy (mooring) "F" 38°01'25"N 122°24'35"W				
	(39/03 CG11)				
<b>★18685</b>	32Ed. 6/03	LAST NM 36/03	46/03		
Add	Buoys (4) QY 36°36'20"N 121°53'10"W				
	<b>(Inset Monterey Harbor)</b>				
Add	Buoy "E" W Or, can 36°36'30.0"N 121°53'34.0"W				
	Buoy "F" W Or, can 36°36'27.6"N 121°53'32.4"W				
	Buoy "G" W Or, can 36°36'27.4"N 121°53'33.0"W				
	Buoy "H" W Or, can 36°36'25.8"N 121°53'35.5"W				
	Buoy "W" QY 36°36'20.0"N 121°53'18.0"W				
	Buoy "X" QY 36°36'20.0"N 121°53'10.0"W				
	Buoy "Y" QY 36°36'12.0"N 121°53'18.0"W				
	Buoy "Z" QY 36°36'12.0"N 121°53'10.0"W				
	(39/03 CG11)				
<b>★18740</b>	40Ed. 8/03	NEW EDITION	46/03		
Add	Dangerous wreck [K28] "Rep (2003)" (PA) 33°26.2'N 118°27.5'W				
	(Previously published 41/03)				
Add	Buoy (waverider) Fl(5) Y 20s 32°55.7'N 117°16.4'W				
	(NOS; 20/01 CG11)				
<b>★18751</b>	42Ed. 12/1/01	LAST NM 39/03	46/03		
Add	Buoy (mooring) [Q41] "PT" Fl 4s (Priv) 33°45'06"N 118°10'15"W				
	(39/03 CG11)				
<b>★18765</b>	15Ed. 2/16/02	LAST NM 27/03	46/03		
	<b>(Inset)</b>				
Delete	Light "2" 32°45'43"N 117°14'29"W				
	(40/03 CG11)				
<b>19002</b>	9Ed. 3/1/97	LAST NM N29/03	N46/03		
Add	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19004</b>	36Ed. 8/25/01	LAST NM 30/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19007</b>	16Ed. 2/12/94	LAST NM 30/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°55.0'N 160°10.0'W				
	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19008</b>	4Ed. 11/3/84	LAST NM 29/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°55.0'N 160°10.0'W				
	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19009</b>	4Ed. 2/16/85	LAST NM 29/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°55.0'N 160°10.0'W				
	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19013</b>	16Ed. 1/25/97	LAST NM 30/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°55.0'N 160°10.0'W				
	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>★19016</b>	9Ed. 2/19/00	LAST NM 18/01	46/03		
Add	Wreck [K29] "Rep (2002)" 22°55'01"N 160°10'00"W				
	Wreck [K29] "Rep (2002)" 22°11'25"N 160°14'04"W				
	(NTM0022/2003)				
<b>19379</b>	1Ed. 8/16/97	LAST NM N30/03	N46/03		
Add	Wreck [K29] "Rep (2002)" 22°11'25"N 160°14'04"W				
	(NTM0022/2003)				
<b>★19380</b>	14Ed. 3/29/97	LAST NM 30/03	46/03		
Add	Wreck [K29] "Rep (2002)" 22°11.4'N 160°14.1'W				
	(NTM0022/2003)				
<b>19387</b>	9Ed. 8/29/98	LAST NM N25/02	N46/03		
Add	Wreck [K29] "Rep (2002)" 22°55'01"N 160°10'00"W				
	Wreck [K29] "Rep (2002)" 22°11'25"N 160°14'04"W				
	(NTM0022/2003)				
<b>19388</b>	2Ed. 8/29/98	LAST NM N52/98	N46/03		
Add	Wreck [K29] "Rep (2002)" 22°55'01"N 160°10'00"W				
	(NTM0022/2003)				
<b>21482</b>	1Ed. 11/6/93	LAST NM 36/03	46/03		
Add	Stranded wreck [K24] 14°16'58.4"N 91°54'08.8"W				
	(Cancels 36/03-21482)				
	(BA CH 659)				
<b>24004</b>	36Ed. 8/9/97	LAST NM 42/03	46/03		
Add	Wreck [K29] (PA) 24°20.6'S 45°49.9'W				
	(16(101)03 Rio de Janeiro)				
<b>24091</b>	6Ed. 11/2/96	LAST NM 21/03	46/03		
Add	Foul ground symbol [K31] (PA) 31°39'54"S 51°50'55"W				
	(16(103)03 Rio de Janeiro)				

## SECTION I

NM 46/03

<b>24100</b>	5Ed. 9/14/96 LAST NM 29/02	46/03	53°20.0'N 2°26.1'E
Add	Foul ground symbol [K31] (PA) (16(103)03 Rio de Janeiro)	31°39.9'S 51°50.9'W	53°50.0'N 2°21.8'E
			(35(414)00 's-Gravenhage)
<b>24140</b>	18Ed. 7/25/98 LAST NM 42/03	46/03	
Add	Wreck [K29] (PA) (16(101)03 Rio de Janeiro)	24°20.6'S 45°49.9'W	
<b>24155</b>	6Ed. 5/16/92 LAST NM 36/99	46/03	
Add	Dangerous wreck [K28] (16(100)03 Rio de Janeiro)	22°57'35"S 44°02'44"W	
<b>24202</b>	6Ed. 11/30/85 LAST NM 35/03	46/03	
Substitute	Depth 10.7 meters for 11.3 meters (16(95)03 Rio de Janeiro)	12°49.44'S 38°29.95'W	
<b>24240</b>	5Ed. 6/13/98 LAST NM 39/03	46/03	
Delete	Buoy Buoy (16(98)03 Rio de Janeiro)	4°42.0'S 36°49.5'W 4°42.8'S 36°50.1'W	
<b>24293</b>	6Ed. 5/25/96 LAST NM 42/03	46/03	
Add	Stranded wreck [K24] (16(99)03 Rio de Janeiro)	1°24'17"S 48°31'39"W	
<b>24294</b>	22Ed. 5/25/96 LAST NM 37/03	46/03	
Add	Stranded wreck [K24] (16(99)03 Rio de Janeiro)	1°24'16.8"S 48°31'38.6"W	
<b>37043</b>	17Ed. 8/2/97 LAST NM 43/03	46/03	
Delete	Buoy (28(3039)03 Taunton)	50°13'03"N 4°05'12"W	
<b>37046</b>	18Ed. 12/13/97 LAST NM 43/03	46/03	
Delete	Buoy (28(3039)03 Taunton)	50°13'03"N 4°05'12"W	
<b>37060</b>	3Ed. 8/16/97 LAST NM 43/03	46/03	
Delete	Buoy (28(3039)03 Taunton)	50°13.0'N 4°05.2'W	
<b>37150</b>	8Ed. 12/20/97 LAST NM 43/03	46/03	
Substitute	Depth 28.5 meters Wk for 29.5 meters Wk	52°08'22"N 3°19'00"E	
Add	Submarine cable [L30.1] joining	52°27'14"N 1°44'20"E 52°25'40"N 1°57'59"E 52°26'15"N 2°09'46"E 52°50'00"N 2°24'00"E 52°55'42"N 2°24'02"E	
			(35(414)00 's-Gravenhage; 39(244)03 Hamburg)
<b>37161</b>	14Ed. 3/15/97 LAST NM 43/03	46/03	
Add	Submarine cable [L30.1] joining	52°27'14"N 1°44'20"E 52°25'40"N 1°57'59"E 52°26'15"N 2°09'46"E 52°36'15"N 2°18'12"E	
			(35(414)00 's-Gravenhage)
<b>37162</b>	12Ed. 5/18/96 LAST NM 43/03	46/03	
Substitute	Depth 28.5 meters Wk for 29.5 meters Wk (39(244)03 Hamburg)	52°08.5'N 3°19.1'E	
<b>37164</b>	4Ed. 1/25/97 LAST NM 43/03	46/03	
(Panel A)			
Add	Submarine cable [L30.1] joining	52°37'22"N 4°13'58"E 52°17'55"N 4°16'48"E 52°12'56"N 4°23'54"E	
			(6(115, 117)01 's-Gravenhage)
<b>37166</b>	2Ed. 7/13/96 LAST NM 45/03	46/03	
Add	Submarine cable [L30.1] joining	52°27.2'N 1°44.3'E 52°25.7'N 1°58.0'E 52°26.2'N 2°09.8'E 52°50.0'N 2°24.0'E 53°16.3'N 2°24.1'E	
<b>37170</b>	11Ed. 11/23/96 LAST NM 19/03	46/03	
Add	Submarine cable [L30.1] joining	52°50'00"N 2°24'00"E 53°16'18"N 2°24'08"E 53°20'00"N 2°26'06"E 53°38'15"N 2°24'00"E	
			(35(414)00 's-Gravenhage)
<b>37175</b>	2Ed. 3/22/97 LAST NM 45/03	46/03	
Add	Submarine cable [L30.1] between	54°16.1'N 2°19.4'E 53°30.0'N 2°24.8'E	
			(35(414)00 's-Gravenhage)
<b>37222</b>	13Ed. 11/1/97 LAST NM 30/03	46/03	
Add	Submarine cable [L30.1] joining	53°43'43"N 6°31'50"E 53°43'22"N 6°29'46"E 53°43'57"N 6°28'56"E 53°42'26"N 6°21'08"E 53°42'14"N 6°18'50"E 53°41'43"N 6°16'50"E 53°41'11"N 6°13'26"E	
			(6(115, 117)01 's-Gravenhage)
<b>37244</b>	11Ed. 2/1/97 LAST NM 45/03	46/03	
Substitute	Depth 28.5 meters Wk for 29.5 meters Wk (39(244)03 Hamburg)	52°08.5'N 3°19.1'E	
<b>37246</b>	14Ed. 5/16/98 LAST NM 45/03	46/03	
Delete	Buoy	51°25'42"N 3°40'59"E	
Add	Light FR 13m 10M Depth 13.6 meters  Buoy Y, spherical, "X" topmark, Fl(5) Y 20s	51°26'25"N 4°00'32"E 51°22'16"N 3°44'16"E  51°25'39"N 3°42'31"E	
	(Plan A)		
Add	Dashed line (dredged area limit) between	51°26'53.4"N 3°40'13.8"E 51°27'22.2"N 3°40'31.8"E	
			(6(108)01, 29(386, 388, 392)03 's-Gravenhage)
<b>37400</b>	(INT 1803) 10Ed. 3/12/88 LAST NM 43/03	46/03	
Delete	Water tower symbol and legend "Esnandes"	46°14.5'N 1°07.2'W	
Substitute	Depth 24 meters Wk [K26] for 21 meters Wk Depth 17 meters Wk [K26] for dangerous wreck Depth 29 meters Wk [K30] (unsurveyed) for 20 meters Wk (unsurveyed) Depth 20.4 meters Obstr [K41] for 19.9 meters Obstr Depth 2.5 meters Wk [K26] for 3.3 meters Wk  Depth 6.5 meters for 8.9 meters	46°05.7'N 1°41.6'W 46°06.0'N 1°25.5'W 46°05.6'N 1°22.5'W 46°06.0'N 1°16.2'W 46°09.3'N 1°15.2'W 46°15.4'N 1°26.3'W	
Change	Legend "(PD)" at dangerous wreck to "(PA)"	46°03.1'N 1°36.6'W	
Add	Legend "(PA)" to depth 20 meters Wk Legend "(PA)" to dangerous wreck Legend "(PA)" to depth 15 meters Wk Legend "(PA)" to depth 15 meters Wk Legend "(PA)" to dangerous wreck Legend "(PA)" to dangerous wreck Dangerous wreck [K28] (PD) Legend "(PA)" to depth 5.9 meters Wk Legend "(PA)" to depth 21 meters Wk Legend "(PA)" to dangerous wreck Dangerous wreck [K28] (PA) Dangerous wreck [K28]	46°17.2'N 1°45.5'W 46°17.2'N 1°42.0'W 46°03.2'N 1°30.4'W 46°04.3'N 1°30.0'W 46°01.0'N 1°26.3'W 46°00.7'N 1°13.2'W 46°00.6'N 1°13.2'W 46°02.4'N 1°12.1'W 46°16.0'N 1°26.6'W 46°14.3'N 1°18.8'W 46°15.2'N 1°16.6'W 46°15.0'N 1°15.0'W	
	(Fr CH 7404)		
<b>41100</b>	2Ed. 5/27/78 LAST NM N36/97	N46/03	
Add	Beacon with legend "Ra Ref" (12(1760)00 St. Petersburg)	69°34.2'N 161°43.6'E	

**43030** 24Ed. 4/5/97 LAST NM 32/03 46/03  
 Add Swept depth 17.4 meters Wk [K27] 54°32.6'N 13°42.5'E  
 (38(1516)03 Hamburg)

**43248** 3Ed. 9/15/84 LAST NM 44/03 46/03  
 Change Visibility (range) of light to 1M 63°05'56"N 7°43'30"E  
 (BA LL)

**43252** 1Ed. 10/4/86 LAST NM 44/03 46/03  
 Change Visibility (range) of light to 1M 63°05'56"N 7°43'30"E  
 (BA LL)

**43260** 4Ed. 11/22/97 LAST NM 18/99 46/03  
 Change Visibility (range) of light to 4M 62°54.4'N 6°52.5'E  
 Light to QR 62°45.6'N 6°31.4'E  
 Characteristic of light to Iso WRG 6s 62°50.9'N 6°32.5'E  
 Light to F, Fl R 30s 40m 18M 62°51.8'N 6°32.5'E  
 Height of light to 12m 62°36.8'N 6°08.0'E  
 (BA LL)

**43261** 5Ed. 4/16/94 LAST NM 18/99 46/03  
 Change Sector of light between 104° and 114° to green 63°06'46"N 7°35'42"E  
 Note: Remaining sectors unchanged  
 Visibility (range) of light to 1M 63°05'53"N 7°43'24"E  
 (BA LL)

**43262** 5Ed. 6/18/94 LAST NM 21/98 46/03  
 Delete Visibility (range) from light 62°44'02"N 7°09'12"E  
 Change Light to Fl(2) 5s 6m 5M 62°47'27"N 6°40'43"E  
 Characteristic of light to Oc(2) WRG 8s 62°44'07"N 6°58'11"E  
 Light to Oc WRG 6s 7m 5-3M 62°39'46"N 6°34'22"E  
 Note: Sectors remain unchanged  
 (BA LL)

**43263** 7Ed. 4/11/98 LAST NM 44/03 46/03  
 Delete Visibility (range) from light 62°27'07"N 6°10'38"E  
 Visibility (range) from light 62°27'03"N 6°14'06"E  
 Change Visibility (range) of light to 7M 62°28'52"N 6°08'26"E  
 Sectors of light to red 070°-092°, white-268°, red-283°, white-323°, red-340° 62°29'03"N 6°13'06"E  
 Sectors of light between 063° and 167° to red 063°-124°, white-128°, green-167° 62°39'18"N 6°10'17"E  
 Height of light to 12m 62°36'48"N 6°08'03"E  
 (BA LL)

**43264** 2Ed. 8/3/85 LAST NM 18/99 46/03  
 Change Light to Fl(2) 5s 6m 5M 62°47'28"N 6°40'44"E  
 (BA LL)

**43265** 2Ed. 12/27/97 LAST NM 37/03 46/03  
 Delete Visibility (range) from light 62°27'03"N 6°14'04"E  
 Visibility (range) from light 62°27'08"N 6°10'36"E  
 Change Visibility (range) of light to 7M 62°28'52"N 6°08'22"E  
 Sectors of light to red 070°-092°, white-068°, red-283°, white-323°, red-340° 62°29'04"N 6°13'05"E  
 (BA LL)

**43281** 6Ed. 2/7/98 LAST NM 44/03 46/03  
 Delete Visibility (range) from light 62°27'09"N 6°10'32"E  
 (BA LL)

**43385** 1Ed. 8/22/92 LAST NM 42/03 46/03  
 Add Rock awash [K12] 58°06'51"N 11°38'07"E  
 (7(941)03 Norrköping)

**44038** 5Ed. 11/2/96 LAST NM 18/02 46/03  
 Delete Light 57°02'31.9"N 10°06'12.0"E

Double solid line and land tint between 57°02'31.9"N 10°06'12.0"E  
 57°02'49.8"N 10°06'14.6"E

Add Depth 1 meter Obstn [K41] marked close S by buoy YB, spar, double cone topmark points downward 57°02'31.9"N 10°06'12.0"E  
 (37(245)03 København)

**44081** 9Ed. 3/16/96 LAST NM 13/03 46/03  
 Add Swept depth 17.4 meters Wk [K27] 54°32'36"N 13°42'27"E  
 (38(1516)03 Hamburg)

**44100** 7Ed. 3/9/96 LAST NM 41/03 46/03  
 Add Swept depth 17.4 meters Wk [K27] 54°32.6'N 13°42.5'E  
 (38(1516)03 Hamburg)

**44182** 4Ed. 5/28/94 LAST NM 43/03 46/03  
 Substitute Depth 9 meters for 9.3 meters 59°20'31.8"N 18°07'13.0"E  
 Depth 9 meters for 9.1 meters 59°20'31.2"N 18°07'16.3"E  
 Depth 9 meters for 9.1 meters 59°20'33.0"N 18°07'22.2"E  
 (See 43/03-44182)  
 Change Buoy to R, spar 59°20'36.9"N 18°07'49.3"E  
 Add Depth 4.8 meters enclosed by depth contour (5-meter) 59°21'39.0"N 18°06'02.0"E  
 Depth 6.5 meters Wk [K26] 59°21'37.8"N 18°05'59.9"E  
 Depth 9.3 meters 59°20'34.8"N 18°07'34.2"E  
 Submarine cable [L30.1] between 59°19'46.8"N 18°09'10.2"E  
 59°19'51.0"N 18°10'01.2"E  
 Submarine cable [L30.1] between 59°19'46.8"N 18°09'10.2"E  
 59°19'48.6"N 18°09'57.6"E  
 Pontoon (ramp) [F16] between 59°21'04.8"N 18°07'00.0"E  
 59°21'04.0"N 18°07'02.0"E  
 (29(688)00, 51-52(920)01, 43(595)02, 40(1424, 1428)03 Norrköping)

**44183** 6Ed. 4/19/97 LAST NM 43/03 46/03  
 Substitute Depth 4.8 meters enclosed by depth contour (5-meter) for 9.3 meters 59°21'39"N 18°06'00"E  
 Depth 9 meters for 9.3 meters 59°20'30"N 18°07'12"E  
 (Cancels 43/03-44183)  
 Change Buoy to R, spar 59°20'37"N 18°07'50"E  
 Add Buoy G, spar 59°24'57"N 18°22'22"E  
 Buoy R, spar 59°24'57"N 18°22'23"E  
 Buoy YB, spar 59°23'14"N 18°19'45"E  
 Dangerous submerged rock [K13] 59°25'56"N 18°10'42"E  
 Depth 6.5 meters Wk [K26] 59°21'38"N 18°05'58"E  
 Depth 1.4 meters Rk [K14] 59°25'27"N 18°18'01"E  
 Depth 9.3 meters 59°20'35"N 18°07'34"E  
 Pontoon (ramp) [F16] between 59°21'05"N 18°07'00"E  
 59°21'04"N 18°07'02"E  
 Submarine cable [L30.1] between 59°19'47"N 18°09'10"E  
 59°19'51"N 18°10'01"E  
 Submarine cable [L30.1] between 59°19'47"N 18°09'10"E  
 59°19'49"N 18°09'58"E  
 Submarine pipeline [L40.1] between 59°23'15"N 18°17'50"E  
 59°23'05"N 18°17'53"E  
 Submarine pipeline [L40.1] between 59°23'02"N 18°19'41"E  
 59°22'59"N 18°19'50"E  
 Submarine pipeline [L40.1] between 59°23'02"N 18°19'41"E  
 59°23'24"N 18°19'47"E  
 Submarine pipeline [L40.1] between 59°23'33"N 18°19'50"E  
 59°24'04"N 18°20'19"E  
 (11(278)00, 27(518, 521), 42(772, 775), 51-52(920)01, 28(384), 43(595)02, 40(1424, 1428)03 Norrköping)

## SECTION I

NM 46/03

<b>44206</b>	1Ed. 12/27/86	LAST NM 40/03	46/03
Delete	Buoy	61°04'03"N 17°15'20"E	
	Buoy	61°03'16"N 17°15'23"E	
	Buoy	61°02'28"N 17°12'54"E	
	Buoy	61°01'22"N 17°12'07"E	
	Buoy	61°00'50"N 17°13'24"E	
Relocate	Buoy from 61°10'04"N 17°21'13"E to	61°10'33"N 17°21'06"E	
Add	Buoy R, spar	61°37'33"N 17°25'56"E	
	Buoy G, spar	61°37'33"N 17°25'59"E	
	Buoy G, spar	61°37'23"N 17°07'59"E	
	Buoy G, conical, Fl G 3s	61°41'29"N 17°13'37"E	
	Buoy G, spar, QG	61°41'27"N 17°13'28"E	
	Buoy R, spar, Fl R 6s	61°41'28"N 17°13'57"E	
	Buoy R, spar, Fl R 3s	61°41'23"N 17°13'37"E	
	(25(481)01, 33(434)02, 19(1132), 22(1119), 26(1248)03 Norrköping)		
<b>44207</b>	1Ed. 11/22/86	LAST NM 45/03	46/03
	(Plan A)		
Relocate	Buoy from 61°10'07.2"N 17°21'18.4"E to	61°10'33.0"N 17°21'06.0"E	
	(25(481)01 Norrköping)		
<b>44220</b>	5Ed. 8/23/97	LAST NM 45/03	46/03
Substitute	Depth 8.8 meters enclosed by depth contour (10-meter) for 12.5 meters	61°59.6"N 17°31.7"E	
Add	Buoy BYB, spar, double cone topmark bases together	61°10.6"N 17°21.1"E	
	Depth 20 meters enclosed by depth contour (20-meter)	61°01.8"N 17°35.1"E	
	(25(481)01, 3(890)03 Norrköping)		
<b>51135</b>	1Ed. 12/7/91	LAST NM 22/03	46/03
Add	Light Fl G 4s 54m 9M	40°38'38.5"N 8°44'46.0"W	
	(11(228)03 Lisboa)		
<b>51144</b>	3Ed. 12/15/01	LAST NM 15/03	46/03
Delete	Depth 7.4 meters	38°40'10.4"N 9°08'43.8"W	
Add	Depth 6 meters	38°40'22.4"N 9°08'48.7"W	
	Depth 5.9 meters	38°40'16.2"N 9°08'52.8"W	
	Depth 6.5 meters	38°40'09.6"N 9°08'43.8"W	
	Depth 6.3 meters	38°40'03.6"N 9°08'45.6"W	
	Depth 6.6 meters	38°40'38.4"N 9°08'06.6"W	
	(11(229)03 Lisboa)		
<b>51150</b>	(INT 1811) 1Ed. 3/24/90	LAST NM 40/03	46/03
Substitute	Depth 27.5 meters for 28 meters	37°54.7"N 8°50.5"W	
Add	Depth 19.8 meters	37°55.1"N 8°51.1"W	
	(11(232)03 Lisboa)		
<b>51220</b>	8Ed. 9/26/98	LAST NM 45/03	46/03
Change	Light to Dir Fl(3) WRG 6s 6M (Supersedes 43/03-51220)	33°08.9'N 8°37.0'W	
	(1(6)02 Cadiz)		
<b>51240</b>	2Ed. 9/8/84	LAST NM 43/03	46/03
Change	Light to Dir Fl(3) WRG 6s 6M (Supersedes 43/03-51240)	33°09.0'N 8°36.9'W	
	(1(6)02 Cadiz)		
<b>51261</b>	23Ed. 6/4/94	LAST NM 40/03	46/03
Delete	Range lights (2), range line and legend "328°06'" between	33°03.6'N 16°20.3'W 33°01.0'N 16°18.3'W	
	(Por LL)		
<b>52083</b>	2Ed. 11/9/96	LAST NM 16/03	46/03
Add	Anchorage area [N12.1] bound by dashed-line circle, radius 0.5 mile, centered	40°31'56"N 0°36'18"E	
	(Spn CH 4851)		
<b>52085</b>	3Ed. 3/2/96	LAST NM 16/03	46/03
Add	Light Fl(3) G 15s 8m 4M	39°16'42"N 0°16'18"W	
	Light Fl(3) R 11s 7m 4M	39°16'42"N 0°16'19"W	
	(Spn CH 476)		
<b>52140</b>	6Ed. 3/30/96	LAST NM 29/03	46/03
Change	Visibility (range) of light to 5M (32(562)02 Cadiz)	39°36.8'N 3°23.2'E	
<b>52141</b>	5Ed. 5/25/96	LAST NM 44/03	46/03
Delete	Light	39°51'48"N 3°07'08"E	
	(Plan A)		
Delete	Light	39°51'47.5"N 3°07'08.0"E	
	(32(561)02 Cadiz)		
<b>54421</b>	6Ed. 3/17/01	LAST NM 43/03	46/03
Delete	Buoy (mooring)	36°51'17"N 28°24'10"E	
	Buoy (mooring)	36°50'55"N 28°24'03"E	
	Buoy (mooring)	36°50'50"N 28°23'35"E	
	Buoy (mooring)	36°50'29"N 28°23'28"E	
	Buoy (mooring)	36°50'35"N 28°23'52"E	
Change	Shape of buoy to pillar	36°38'44"N 29°05'10"E	
Add	Buoy (mooring) [Q40]	36°48'15"N 28°25'22"E	
	(Plan)		
Delete	Buoy (mooring)	36°39'13.0"N 29°06'33.0"E	
	Buoy (mooring) and legend "Numerous Buoys"	36°39'08.0"N 29°06'35.0"E	
Change	Shape of buoy to pillar	36°37'58.0"N 29°06'40.0"E	
	Shape of buoy to pillar	36°38'44.0"N 29°05'10.0"E	
Add	Characteristic Fl 5s to buoy (25(115)03 Istanbul; 38(4052)03 Taunton)	36°37'45.0"N 29°05'57.0"E	
<b>54422</b>	4Ed. 1/26/02	LAST NM 19/02	46/03
Delete	Buoy (mooring)	36°51'17.0"N 28°24'10.0"E	
	Buoy (mooring)	36°50'55.0"N 28°24'02.5"E	
	Buoy (mooring)	36°50'50.0"N 28°23'35.0"E	
	Buoy (mooring)	36°50'29.0"N 28°23'28.0"E	
	Buoy (mooring)	36°50'35.0"N 28°23'52.0"E	
Add	Buoy (mooring) [Q40]	36°48'15.0"N 28°25'22.2"E	
	(38(4052)03 Taunton)		
<b>55046</b>	4Ed. 11/30/96	LAST NM 41/03	46/03
Add	Buoy Y, conical, "X" topmark (47(212)02 Istanbul)	40°51'43"N 29°04'56"E	
<b>55082</b>	9Ed. 5/11/96	LAST NM 44/03	46/03
Delete	Light and obscured sector	46°27'18"N 30°46'01"E	
	(Plan)		
Delete	Buoy	46°29'53.2"N 30°45'04.8"E	
	Buoy	46°29'52.1"N 30°45'05.0"E	
	Buoy	46°29'53.9"N 30°45'08.9"E	
	Buoy	46°29'52.0"N 30°45'08.2"E	
	Buoy	46°29'53.7"N 30°45'12.8"E	
	Buoy	46°29'52.2"N 30°45'12.0"E	
	Buoy	46°29'52.0"N 30°45'17.1"E	
	Buoy	46°29'51.9"N 30°45'19.0"E	
	Buoy	46°29'53.7"N 30°45'19.8"E	
	(10(1404), 11(1626)00 St. Petersburg)		
<b>55085</b>	9Ed. 9/21/96	LAST NM 39/03	46/03
Delete	Light	46°27.3'N 30°46.1'E	
Add	"Spoil Ground Area No 940" [N62.1] bound by dashed line joining	46°23.1'N 30°59.4'E 46°24.1'N 30°59.4'E 46°24.1'N 31°00.4'E 46°23.1'N 31°00.4'E	
	(10(1403), 11(1626)00 St. Petersburg)		
<b>55101</b>	4Ed. 8/24/96	LAST NM 43/03	46/03
Change	Characteristic of light to 2 QR (10(1407)00 St. Petersburg)	46°56'14"N 31°57'18"E	
<b>55102</b>	3Ed. 8/10/96	LAST NM 43/03	46/03
Change	Characteristic of range light, rear to F WRG (BA LL)	46°36'52"N 31°32'09"E	

**55103** 2Ed. 4/6/96 LAST NM 45/03 46/03  
 Delete Submarine cable between 44°34'53.2"N 33°22'50.0"E  
 44°36'12.0"N 33°25'20.0"E  
 Submarine cable between 44°37'04.0"N 33°28'42.0"E  
 44°37'44.5"N 33°30'51.5"E  
 (11(1632)00 St. Petersburg)

**55104** 2Ed. 4/20/96 LAST NM 45/03 46/03  
 Add Beacon W 44°53'54"N 33°36'43"E  
 (12(1814)00 St. Petersburg)

**55129** 7Ed. 6/15/96 LAST NM 45/03 46/03  
 Delete "ANCHORAGE AREA NO 410" in vicinity 44°38'36"N 37°41'42"E  
 Add "ANCHORAGE AREA NO 410" [N12.2]  
 bound by dashed line joining 44°38'06"N 37°41'55"E  
 44°38'48"N 37°41'55"E  
 44°38'42"N 37°43'25"E  
 44°38'02"N 37°43'25"E  
 (10(1409)00 St. Petersburg)

**55130** 2Ed. 2/8/97 LAST NM 42/03 46/03  
 Delete Light 46°27.3'N 30°46.1'E  
 Buoy 45°07.8'N 33°15.7'E  
 Add "Spoil Ground" [N62.1] bound by dashed line  
 joining 46°23.1'N 30°59.4'E  
 46°24.1'N 30°59.4'E  
 46°24.1'N 31°00.4'E  
 46°23.1'N 31°00.4'E  
 (10(1403), 11(1626, 1630)00 St. Petersburg)

**55133** 3Ed. 1/27/96 LAST NM 38/03 46/03  
 Delete Fish haven area in vicinity 43°58'22"N 39°13'17"E  
 (10(1412)00 St. Petersburg)

**55140** 2Ed. 9/28/96 LAST NM 45/03 46/03  
 Delete Buoy 45°07.8'N 33°15.7'E  
 Add Fish haven area with blue tint [K46] bound by  
 shore and dotted line (limiting danger line)  
 joining 44°53.1'N 35°09.0'E  
 44°53.2'N 35°11.0'E  
 44°54.1'N 35°11.0'E  
 (11(1630, 1634)00 St. Petersburg)

**55170** 2Ed. 10/5/96 LAST NM 41/02 46/03  
 Delete Buoy 43°23.6'N 39°58.1'E  
 (10(1412)00 St. Petersburg)

**55180** 2Ed. 10/12/96 LAST NM 45/03 46/03  
 Delete Anchorage area in vicinity 44°38.5'N 37°41.5'E  
 Add Anchorage area [N12.2] bound by dashed line  
 joining 44°38.1'N 37°41.9'E  
 44°38.8'N 37°41.9'E  
 44°38.7'N 37°43.4'E  
 44°38.0'N 37°43.4'E  
 (10(1409)00 St. Petersburg)

**55200** 2Ed. 8/17/96 LAST NM 45/03 46/03  
 Add Buoy Y, spar, "X" topmark 45°06.8'N 36°29.4'E  
 Buoy Y, spar, "X" topmark 45°02.4'N 36°28.7'E  
 Buoy Y, spar, "X" topmark 45°02.4'N 36°25.7'E  
 (11(1636)00 St. Petersburg)

**61542** 6Ed. 11/22/97 LAST NM 41/03 46/03  
 Add "Works in Progress (2001)" area bound by  
 shore and dashed line joining 4°35'00.0"S 55°27'56.5"E  
 4°36'37.2"S 55°28'39.7"E  
 4°38'00.0"S 55°28'44.5"E  
 4°40'00.0"S 55°30'43.5"E  
 (39(3910)01 Taunton)

**74007** 1Ed. 7/10/93 LAST NM 36/02 46/03  
 Add Stranded wreck [K24] 6°16.7'S 150°29.7'E  
 (6(178)00 Wollongong)

**74204** 5Ed. 8/23/97 LAST NM 40/03 46/03  
 Delete Buoy (mooring) 23°08'48"S 150°57'54"E  
 (6(170)00 Wollongong)

**74210** 7Ed. 6/8/96 LAST NM 37/03 46/03  
 Delete Buoy (mooring) 23°08.8'S 150°57.9'E  
 (6(170)00 Wollongong)

**74220** 8Ed. 3/7/98 LAST NM 37/03 46/03  
 Substitute Depth 16.8 meters for 18.3 meters 20°13.7'S 148°47.7'E  
 (6(173)00 Wollongong)

**74230** 7Ed. 8/26/95 LAST NM 36/03 46/03  
 Substitute Depth 16.8 meters for 18.3 meters 20°13.7'S 148°47.7'E  
 (6(173)00 Wollongong)

**74240** 8Ed. 7/22/95 LAST NM 41/03 46/03  
 Delete Beacon 18°36.3'S 146°21.3'E  
 Add Buoy RW, can, ball topmark, Iso 2s [Q130.5]  
 18°36.8'S 146°21.5'E  
 (6(174)00 Wollongong)

**★81067** 6Ed. 8/03 NEW EDITION 46/03  
 (NOS)

**91020** 5Ed. 2/11/84 LAST NM 19/03 46/03  
 Add Submarine cable [L30.1] joining 14°04.2'N 120°34.0'E  
 14°06.4'N 120°30.3'E  
 14°07.9'N 120°26.4'E  
 14°07.9'N 120°24.7'E  
 14°08.9'N 120°22.7'E  
 14°06.9'N 120°14.5'E  
 14°07.2'N 120°10.9'E  
 14°08.3'N 120°08.7'E  
 14°12.4'N 120°04.0'E  
 Submarine cable [L30.1] joining 14°07.5'N 120°25.2'E  
 14°06.1'N 120°14.3'E  
 14°06.3'N 120°11.1'E  
 14°07.4'N 120°08.2'E  
 14°08.3'N 120°06.7'E  
 14°08.4'N 120°05.5'E  
 14°07.6'N 120°03.6'E  
 (33(1280)03 Tokyo)

**91025** 8Ed. 10/5/96 LAST NM 22/02 46/03  
 Add Submarine cable [L30.1] joining 14°07.5'N 120°25.2'E  
 14°06.1'N 120°14.3'E  
 14°06.3'N 120°11.1'E  
 14°07.4'N 120°08.2'E  
 14°08.3'N 120°06.7'E  
 14°08.4'N 120°05.5'E  
 14°07.6'N 120°03.6'E  
 Submarine cable [L30.1] joining 14°06.5'N 120°30.0'E  
 14°07.9'N 120°26.4'E  
 14°07.9'N 120°24.7'E  
 14°08.9'N 120°22.7'E  
 14°06.9'N 120°14.5'E  
 14°07.2'N 120°10.9'E  
 14°08.3'N 120°08.7'E  
 14°12.4'N 120°04.0'E  
 (33(1280)03 Tokyo)

**91280** 7Ed. 1/30/99 LAST NM 43/03 46/03  
 Add Submarine cable [L30.1] joining 14°04.2'N 120°34.0'E  
 14°06.4'N 120°30.3'E  
 14°07.9'N 120°26.4'E  
 14°07.9'N 120°24.7'E  
 14°08.9'N 120°22.7'E  
 14°06.9'N 120°14.5'E  
 14°07.2'N 120°10.9'E  
 14°08.3'N 120°08.7'E  
 14°12.4'N 120°04.0'E

(continued on next page)



97387 (Continued)

Visibility (range) of light to 3M 32°24'34.0"N 130°16'25.0"E  
Visibility (range) of light to 3M 32°28'33.0"N 130°15'06.0"E  
Visibility (range) of light to 3M 32°29'33.0"N 130°17'28.0"E

Add Light Fl R 3s 9m 3M 32°23'54.0"N 130°24'12.0"E  
(47(1694)00, 3(83), 13(450), 15(536)02 Tokyo; Jpn CH W174; Jpn LL)

SECTION I

NM 46/03

Chart 11327

NM 46/03

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BOLIVAR ROADS TO LOWER END OF MORGAN POINT	36.0	41.0	39.0	32.0	09/02; 01/03	400-530	23.4	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11305	1	N36,N46/02;N1,N6,N7,N32/03	11364	39	3*,4,5,8,9,18,19,21,23,25,26,27,30,33,34,35,43/03	11467	37	47*,50/02;4,12,21,23,40/03
20	3	18/03	11307	36	22,24,27,35/03	11365	17	52/02*;9,32,34/03	11468	39	42*,43,49/02;40/03
22	1	18/03	11308	22	3*,7,10,23,25,32/03	11366	7	48*,51/02;5,6,7,8,19,21,23,24,26,27,29,30,34,35,37/03	11469	5	35,50/02;7,9,12,21,23,31,40/03
50	6	32*,34,40/03	11309	36	36,46/02;1,6,7,22,24,25,32/03	11367	32	38*,45,46/03	11470	36	10*,12,40/03
53	2	34/03	11310	1	N46/02;N22,N23,N32/03	11368	22	38/02*;19,21,23,30,33,34,35,45,46/03	11472	31	8*,25,40/03
70	4	7,34/03	11311	23	46/02;26/03	11369	44	9*,18,19,21,27,43/03	11474	10	6,17/03
71	4	7,34/03	11312	3	36,46/02;1,6,7,22,23,32/03	11370	24	38/03*	11475	16	51/02;13/03
72	4	7/03	11313	22	22,27,36/03	11371	36	35/03*	11476	19	6,34/03
73	4	34/03	11314	22	17*,21,22,32/03	11372	30	2*,7,8,10,19,23,24,26,27,31,42,44/03	11478	20	32/03*
101	3	48/02	11315	30	37/02*	11373	42	33,37,40,41,42,45,49/02;7,9,19,20,21,23,24,25,26,27,29,34,36,38,42,44/03	11479	4	N35,N50/02;N6,N23,N25,N31,N34,N40/03
103	5	16/03	11316	39	17*,22,26,29,34/03	11374	31	45*,49,50/02;1,2,7,8,9,19,20,23,24,26,27,29,34,36,38/03	11480	38	30/03*
108	9	35/02;34,39/03	11317	29	37,40,49/02;16,19,20,21,23,26,29,30,34/03	11375	35	1*,2,5,7,9,20,23,24,27,29/03	11481	4	42*,49/02;6,12,13,19,28,34/03
120	6	39/03	11318	1	N46/02;N6,N24,N25,N44/03	11376	48	40,43,50/02;2,7,19,20,21,22,23,24,25,26,30,36,37,38,44/03	11482	21	34/03
124	10	18,34,39/03	11319	31	17*,19,20,25,26,29,30,34/03	11377	5	38*,44/03	11483	33	22/03*
125	7	21/03	11320	1	N22,N23,N24/03	11378	32	11*,12,18,20,21,22,24,26,30,38/03	11484	15	36/03*
126	39	21/03	11321	29	39,40,41,45/02;23,31,34/03	11382	39	46/02*;9,25,26,37/03	11485	24	7,17/03
145	16	39/03	11322	28	19*,20,23,30,34,35,42/03	11383	49	9,18,26,30,37/03	11486	34	8*,12,20,22,31/03
200	3	37/03	11323	59	33,37,39,45/02;1,6,7,9,20,23,27,29,31,34,35,38,42,45/03	11388	16	24,34/03	11487	33	32/03*
301	1	14,21,24/03	11324	32	33,37/02;1,6,7,9,10,16,20,21,23,25,29,30,31,37,38,42,45,46/03	11389	32	33,37/02;2,7,32,42/03	11488	24	34/03
302	1	2/03	11325	35	26*,38,42/03	11390	22	33,34,37/02;7,21,30,32/03	11489	34	8*,12,20,22,31/03
310	20	2,14,21,24/03	11326	31	7*,9,16,20,21,22,23,24,30,31,33,35,38,45,46/03	11391	22	33,34/02;7,21,32/03	11491	33	34,37,38/02;12,30,34/03
400	3	33,35,45/02;29,33,34/03	11327	23	43/03*	11392	6	34/02;21,32/03	11493	9	N39/02;N12,N20,N22,N31/03
401	5	33,35,45/02;14,29,33,34,44/03	11328	34	36,37,39,47,49/02;1,4,8,10,16,21,22,30,36,38,42/03	11392	20	30,35,42/03	11494	8	N39/02;N22/03
411	49	19*,22,23,24,25,26,29,30,31,33,44/03	11329	34	36,37,39,47,49/02;1,4,8,10,16,21,22,30,36,38,42/03	11393	20	30,35,42/03	11496	9	N35/02;N1,N17,N19,N34/03
500	8	32*,34,41/03	11330	14	2*,4,6,7,8,17,19,20,21,22,23,27,30,31,34,35,36,38,45,46/03	11401	29	27/03	11502	28	14,17,20,22/03
501	12	9*,10,18,21,22,24,40,41/03	11331	18	8,19,23,30,34/03	11402	21	30*,34/03	11503	39	38*,39,43/02;12,14,17,20,22,31/03
502	2	52/02;40,44/03	11332	28	42*,43,49,51/02;6,17,19,20,23,25,31,34,35,37/03	11404	21	50/02;9,19,27/03	11504	15	12,22/03
507	2	45/02	11333	1	N35/03	11405	29	38/03*	11505	1	34,40,49/02;1,4,5,11,22,34,43/03
508	2	45/02	11340	68	37*,38,45,46/03	11406	11	9/03	11506	40	10*,19,22,28,34,43/03
510	3	40/03	11341	39	14*,17,21,22,23,25,31,34,37,38/03	11408	28	3/03*	11507	31	9*,12,20/03
513	6	38/02;34/03	11342	52	27*,29,31,34,35,42,46/03	11409	28	32/03*	11508	21	10/03*
520	127	38/02;34,40,41/03	11343	36	37,40,49/02;4,8,17,19,20,23,30,34,35/03	11411	14	43*,45/02;7,20/03	11509	27	1,11,24/03
521	11	34/03	11344	35	9*,19,22,23,26,27,29,31,34,38,43,46/03	11412	41	42*,45/02;1,6,7,11,12,13,14,20/03	11510	18	34/02
523	8	34/03	11345	31	9*,38/03	11415	5	42*,45/02;1,2,7,14,20/03	11511	16	11/03
524	12	47/02;34/03	11347	33	42*,43,47,49/02;4,6,7,8,19,20,21,23,25,26,27,29,31,32,43/03	11416	5	42,48/02;1,2,6,11,12,14,20/03	11512	59	10*,11,15,20,22,24,34,43/03
525	3	40/03	11348	20	43/03*	11420	27	20*,21,22,25/03	11513	23	49/02;1,24/03
526	10	47/02;6/03	11349	40	38*,42,51/02;23,26,27,31,36/03	11423	7	N39,N42/02;N4,N8,N15,N21,N22,N25/03	11514	26	37*,40,49/02;4,5,15,22,24,34,43/03
530	30	37,38,40,52/02;6,10,18,21,22,24,34,40,41,44/03	11350	25	43/03*	11424	18	14,25/03	11516	30	43/03*
531	21	47,52/02;21,24,32,34,41/03	11351	38	20*,22,23,25,27,30,31,34/03	11425	34	46*,49/02;4,25/03	11517	17	24/03
532	17	38/02;34/03	11352	36	3*,7,8,9,20,22,24,26,31,34/03	11426	36	38/03*	11518	33	14*,19,28/03
540	16	51/02;16,30/03	11353	2	35,38,43,45,49/02;4,5,7,18,20,21,26,27,31,34,43,45/03	11427	33	2/03*	11519	12	28/03*
541	2	6/03	11354	24	26*,31,34/03	11428	32	52/02*;6/03	11520	41	38*,39/03
550	7	45/02;6/03	11355	25	38/03*	11429	21	47/02*	11521	26	35/02;9,19,24,28,34,39/03
600	5	45/03	11356	35	38/03*	11430	25	17/03*	11522	19	39/03
601	4	6,8,27,38/03	11357	36	38/03*	11434	25	41/03*	11523	21	35,52/02;5,9,19,24,28,34/03
602	6	47/02;6,38/03	11358	52	41/03*	11435	13	N8,N15,N21,N22,N39/03	11524	46	8*,11,12,13,15,17,19,20,22,28,34,43/03
603	6	47/02;10/03	11359	11	39/02	11438	11	7,8,21/03	11525	6	N39,N40,N44,N46,N51/02;N4,N6,N8,N24,N39/03
604	5	38/03	11360	40	1*,2,5,6,8,19,23,24,25,26,27,29,30,34,35,37,38/03	11439	25	6,7,15,22/03	11526	10	20/03*
605	4	6/03	11361	70	21*,23,24,25,26,30,31,35/03	11441	39	36/02;6,7,15,20/03	11527	16	37/02;20/03
606	1	17/03	11362	4	N33,N36,N39,N40,N47/02;N2,N5,N6,N8,N19,N23,N24,N25,N26,N27,N29,N30,N34,N35,N37,N38/03	11442	34	38*,39/03	11531	21	11,39/03
607	1	17,45/03	11363	38	35,38,40,43,49,51/02;4,5,7,18,19,20,21,22,24,26,27,34,38,43,45,46/03	11443	30	36/02;7,15,20/03	11532	20	37/02;39,43/03
622	9	47/02;6/03				11444	14	7/03	11534	32	17*,36,45/03
623	9	47/02;19,36/03				11445	8	15,22,25,39/03	11535	12	46/02;39/03
632	8	45/02				11446	16	7,25/03	11536	16	38/03*
702	5	7/03				11447	35	38/02*;20/03	11537	34	21*,23,26,35,36,43,45/03
703	4	46/02;7,44/03				11448	14	7/03	11538	18	39,44,51/02;6/03
705	3	46,52/02				11449	16	7/03	11541	33	8*,9,14,22,35,39/03
706	4	44/03				11450	8	15,22,25,39/03	11542	15	39/02
707	2	34,44/03				11451	31	20*,22,25/03	11543	22	39/02;8,38/03
708	3	34,36/03				11453	16	7/03	11544	37	36/02*;8/03
709	2	50/02;19,25/03				11460	38	36*,50/02;6,13,15,21,23,25,31,34,39,40/03	11545	60	45*,47/02;6,8,14,22,23,24,35,38,39,43/03
1113A		20*,21,22,25/03				11461	5	7,15,25,39/03	11547	35	37,47/02;6,8,14,22,23,35,38,39,43/03
1114A		39/02;4,9,11,12,13/03				11462	24	22,25/03	11548	38	47/02*
1115A		1*,2,5,6,8,19,23,24,25,26,27,29,30,34,35,37,38/03				11463	17	24/03*	11550	28	17/03*
1116A		37*,38,45,46/03				11464	16	7,25/03	11553	28	8/03*
1117A		28*,30,31,32,34,35,36,44,45/03				11465	36	52/02*;22,40/03	11555	38	36/02*;7,24/03
11004	7	37,39,40,42,43,45,47,51/02;5,6,7,8,9,14,18,21,22,23,24,25,26,27,29,30,32,34,36,37,38,44/03				11466	36	30*,31,40/03	12200	47	38*,42,52/02;7,12,18/03
11006	30	36,39,40/02;2,6,19,21,23,24,25,27,29,33,35/03							12201	25	N42,N52/02;N7,N12,N18,N24,N32/03
11009	36	35,44,51/02;6,12,19,39/03							12204	35	10*,33/03
11013	45	38*,40/03							12205	28	43/03*
11300	39	28*,30,31,32,34,35,36,44,45/03							12206	29	33,38,46/02;10,28,33/03
11301	23	37/02;16,24,32/03							12207	20	50,52/02;18/03
11302	29	34*,37/02;16,24/03									

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

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12208	9	23*,28,41/03	12364	34	20*,23,25,27,32,36,39/03	13308	11	40/02	14220		N39/03*
12210	36	8*,33/03	12365	26	6,23/03	13309	28	42/02*;9,32/03	14221	26	40,46/02
12211	41	10/03*	12366	27	51/02;20,27/03	13312	21	10/03*	14222	16	40/03**
12214	44	14*,19/03	12368	26	42/02*;24,25/03	13313	19	41,49,52/02;6,9,36/03	14223	18	38/03**
12216	27	47/02*;19/03	12369	25	44/02;32,35,36,43/03	13315	11	49/02	14224		N39/03*
12221	74	35*,41,45/03	12370	18	39/02*	13316	22	28/03*	14225	17	39/03**
12222	44	26*,28,33,34,41/03	12371	23	27/03*	13318	18	38*,41,52/02;5,6,21/03	14226	32	39/03**
12224	23	8*,33,45/03	12372	31	45*,47,48/02;2,5,6,23,25,36,45/03	13321	9	20/03*	14227	28	39/03**
12225	54	22*,33/03				13323	7	5/03	14228	11	39/03**
12226	16	7/03	12373	14	2/03	13324	13	41,52/02;2/03	14229		N39/03*
12228	29	43/02*	12377	14	37/02	13325	14	2,29/03	14240	6	43/03**
12230	60	30*,34,42/03	12378	14	2,13,23/03	13326	12	41,43/02	14241	23	39/03**
12231	26	35,46/02;7,30/03	12401	7	47/02;2,13,33,41/03	13392	2	6/03	14242	13	40/03**
12233	35	3*,4,5,6,14,34,45/03	12402	8	33,47/02;13,34,41/03	13394	3	39/02*;9,21,42/03	14243	8	39/03**
12235	29	47/02;4,6,7,17,33/03	13000		N48,N49/02;N21,N26,N29/03	13396	4	9,19,21/03	14244	5	39/03**
12237	26	47/02;17,25,34/03				13398	3	36/02	14245	4	39/03**
12238	37	46/02*;1,4,7,19,25,34/03	13003	47	36*,39,44,45/03	14002	57	32,34,36,37,42/03	14246	6	39/03**
12241	21	34,44/02;7,34/03	13006	31	36*,39,44,45/03	14003	6	48,49/02;5,9,12,29,39/03	14247		N39/03*
12245	62	30*,33,34/03	13009	30	42*,48,49/02;1,9,18,23,36,39,44,45/03	14007		N38/03*	14248		N40/03*
12248	40	44/03*				14008	76	38/03**	14249		N39/03*
12251	23	35/02;4,6,7,15,26/03	13200	33	37,48/02;7,9,18,36,39,44,45/03	14010	5	35/02;26,32/03	14250		N40/03**
12252	23	33,34/02;4,7,10,15,17,30,35,45/03	13201	10	N37,N48/02;N9,N18,N36,N39,N44,N45/03	14024	5	33,36,39/02;12,22,36/03	14251		N40/03**
12253	43	35/03*				14040	65	40/02;34/03	14252		N40/03**
12254	43	38*,43,44/02;30,34/03	13203	12	37/02	14041	12	34,36,42/03	14253		N40/03**
12255	15	44/02;30,34/03	13204	12	44/03	14042	3	34,42/03	14254		N40/03**
12256	13	33,44/02;24,30,34/03	13205	36	37,42,45,48/02;1,5,23/03	14043	7	21,26/03	14259	3	40/03**
12261	28	37*,44/02;7,18,22/03	13209	23	37/02;23/03	14044	44	6/03	14260	47	39/03**
12263	52	35*,42,44/03	13211	13	47/02;45/03	14061	27	6,9/03	14263	15	40/03**
12264	28	38/02*;7,42,44/03	13212	35	9*,13,36/03	14062	17	32,36/03	14264	4	40/03**
12266	27	20,30/03	13213	40	14*,25,36/03	14066	19	6,34,42/03	14280	37	40/03**
12270	32	9*,18,24,25,33,42/03	13214	27	34*,45,48/02;5/03	14067	11	6/03	14310	2	40/03**
12272	29	36,45/02;13,16,30,33,38/03	13215	17	45,48/02;1,5/03	14081	21	36/03	14329	5	32/03
			13216	1	N48/02	14083	30	33/02	14340	25	33,37,40,52/02;12,22,30/03
12273	53	36,45,50/02;5,15,17,19,30,33,38/03	13218	38	42,45,51/02;5,46/03	14087	58	33/02	14341	5	12,34/03
12274	33	37*,50/02;5,15,17,30,33/03	13221	53	44,51/02;2,5,7,27,46/03	14088	10	41/02*;34/03	14342	20	52/02;30/03
12277	32	35/03*	13223	36	52/02;2,46/03	14089	29	41/02*;34/03	14344	2	37,40/02
12278	72	36,45/02;19,25,30,33,38/03	13224	36	44/02;5,27/03	14090	2	33/02	14345	5	37,40/02;12,22/03
			13225	5	44/02;6,7/03	14091	6	41/02*	14349	7	42/03
12280	3	37*,43,45,46,47,50,52/02;1,6,7,18,28,33,38,44,45/03	13227	13	7/03	14110	42	32,44/03	14353	3	42/03
			13228	11	51,52/02	14111	7	14,32,34,42,44/03	14354	2	32,42/03
			13229	27	39,42,45,52/02;1,7,19/03	14112	5	32,42,44/03	14357		N52/02
			13230	46	2*,7,19/03	14143		N38/03*	14358		N36/02;N34/03
12281	49	12,19,25,38,44/03	13232	4	39,42/02	14144	29	38/03**	14360	36	33,36/02
12282	34	43/03*	13233	16	10,39/03	14146	2	32/03	14373	2	34/03
12283	24	8,18,25/03	13236	29	45/02;1,7,19/03	14151	2	37/02;32,34,38/03	14386	3	36/02
12284	15	7,42/03	13237	39	27*,39/03	14168		N37/03	14415	4	33/02;36/03
12285	35	11*,14,19,22,34,36,45/03	13241	15	34,42/02	14169	2	32,38,42/03	14420	27	40/03**
12286	29	2*,4,6,42/03	13244	39	48/02;7,32/03	14173	2	38/03	14500	27	52/02*
12289	48	10*,19,22/03	13246	37	36*,42/03	14174		N42/03*	14758		N32/03
12300	43	19*,39,44/03	13249	12	22/03*	14175		N43/03*	14773	16	26/03
12301	21	N37,N39,N42,N45/02;N5,N17,N39,N44/03	13253	18	3*,8/03	14176		N38/03*	14774	16	15/03
			13260	39	36*,39,42,45/03	14177		N40/03*	14803	26	5/03
12304	43	21*,26/03	13263	7	N36,N43,N48,N49/02;N1,N7,N9,N18,NP21,N23,N26,N29,N36,N39,N42,N45/03	14178		N40/03*	14804	24	5/03
12311	42	38/03*				14180	38	42/03**	14813	21	2/03*
12312	52	10*,15,24,32/03	13264	103	36,49/02;9,P21,26,29,39,42/03	14181	3	43/03**	14815	22	43/03
12313	49	35*,43/03				14183	15	38/03**	14816	23	5/03
12314	30	46*,50/02;5,25,33,35/03				14184		N32,N44/03	14820	19	11/03*
12316	29	2*,6,32/03	13267	30	52/02;1,7,9,36/03	14185	2	40/03**	14822	31	10/03*
12317	31	37,50/02	13270	59	33,34,40,43/02;1,2,7,12/03	14186	2	40/03**	14823	30	1/03*
12318	41	9*,32,44/03				14188	1	42/03	14826	27	4/03*
12323	23	40/02;4/03	13272	47	40/02;8,25,35/03	14189	2	36,42,44/03	14830	30	31*,34/03
12324	30	2*,8/03	13274	25	43/03*	14190	2	37,42/03	14832	34	52/02*
12326	49	35/03*	13275	28	45/03*	14191		N38/03*	14833	25	43/03
12327	96	1*,2,8,12,13,14,16,18,19,23,29,33,34,36,41/03	13276	22	36/03*	14192		N38/03*	14835	31	39/02
			13278	25	1,9,32,39/03	14193		N38/03*	14836	27	42/02*
12331	30	8*,13,14,18,33/03	13279	30	20*,32,39/03	14195		N42/03*	14837	27	3/03
12332	21	43,46/02;13,18/03	13282	11	21*,39/03	14196		N38/03*	14838	3	52/02*
12333	33	44/03*	13283	18	1,9/03	14197		N38/03*	14839	36	9*,43/03
12334	66	30*,34,36/03	13285	10	20/03	14198		N43/03*	14842	13	46/03*
12335	39	1,8,23/03	13286	29	39*,40,50/02;1,9/03	14200	2	38/03**	14843	22	39,51/02;43/03
12337	22	45/02;13,18/03	13288	40	36,43,50,51/02;29,42,44,45/03	14201	15	38/03**	14844	31	4/03
12338	9	21/03*				14203	12	42/03**	14845	26	4/03
12339	43	23/03	13290	35	39*,42,44/03	14204	21	38/03**	14846	11	39,40/02;2,43/03
12341	26	36/03*	13292	36	36,40/02;7,16,29,42,44/03	14205	7	38/03**	14847	30	40/02;43/03
12343	18	37/02*;7,21,27/03				14206	20	43/03**	14848	56	9,17,21,22/03
12345	10	42/02*;21/03	13293	33	43,51/02;14,27/03	14208	28	38/03**	14850	51	7,21/03
12347	29	27,29,35/03	13295	11	2*,14/03	14209		N38/03*	14852	45	19*,21/03
12348	33	27,29,34/03	13296	25	43/02;27/03	14211		N40/03*	14853	14	26/03*
12350	57	39*,49/02;29/03	13298	10	43,52/02	14212		N38/03*	14854	13	17/03
12352	30	46/03*	13301	20	33,51/02;23,42,45/03	14213		N39/03*	14864	26	37/02
12353	17	39/03	13302	21	41/02;2,7,9,32,42,45/03	14214		N39/03*	14865	16	4/03
12354	40	38/03*	13303	12	48/02*;7,9/03	14215		N39/03*	14867	26	39/03*
12358	19	46*,49/02;1,7,10/03	13305	28	40,41,49/02;2,7,9,36,44/03	14216		N39*,N44/03	14871	2	34/03
12362	16	49/02				14217		N43/03*	14873	2	35/02
12363	39	44/02;6,23,27,32,36/03	13307	10	23,28,44/03	14218		N39/03*	14880	30	33/02;4/03
						14219		N40/03*	14881	31	33/02

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14885	20	51/02	16566	10	29,44/03	17471		N6/03	18444	15	39/02:34/03
14886	11	41/03*	16568	12	39/02*	17472	4	5,14,36,41/03	18445	29	33,39/02:6,7,9,10,15,18,22,25,28,34,36,38,42,45/03
14901	14	52/02*:5/03	16575	1	39/02	17480	4	43/02:5,10,36/03	18446	15	6,7,9,18,19,45/03
14902	28	4/03	16576	3	42/02:6/03	17482		N7,N14,N41/03	18447	26	52/02:6,7,10,18/03
14903	23	31/03*	16580	11	39/02	17483		N41/03	18448	32	33/02:10,15,22,34,36,45/03
14904	26	40/03*	16590	10	38/02*	17484	3	41/03	18449	17	7,34,44/03
14905	30	45/03*	16592	9	16/03	17485	4	41/03	18450	17	9*:44/03
14906	23	5/03	16593	11	14/03*	17489	19	43/02	18452	16	34,38/03
14910	23	17/03*	16594	13	2/03	17495	2	43/02	18453	24	14*:25,36,38,42/03
14911	20	4/03	16595	14	2/03	17503	4	43/02	18455	2	N39/02:N15,N34,N38/03
14912	17	31/03*	16596	12	39/02*	17513		N42,N43/02:N15/03	18458	15	19*:28,34,38/03
14913	18	31/03*	16597	8	43/02	17515	7	6,15,16,36,43/03	18459	5	N39/02:N9,N15,N28,N34,N38/03
14915	25	28/03*	16598	9	43/02	17517	8	6,15,16,34/03	18460	11	2*:6,7,43/03
14916	10	45/02*:17/03	16599	6	43/02	17518	7	P44,48/02:16,18,20,41/03	18461	23	24*:30/03
14917	23	3/03	16603	7	42/02:6/03	17522		N15/03	18465	35	2*:15,30/03
14918	26	17/03	16606	11	37/02*:21/03	17523		N15/03	18468	17	7/03
14922	19	51/02:9/03	16608	4	46/03*	17524		N12,N15/03	18471	9	36/03*
14924	27	5/03	16640	24	21/03	17525		N15,N43/03	18473	7	4*:18,19,34,38,45/03
14926	10	32/03*	16646	12	8/03	17526		N15/03	18474	7	45/02*:7,10,15,22,25,34,36,38,45/03
14927	24	35,37/02	16660	28	42/02:6,16/03	17528		N43/02:N6,N12/03	18475	1	35/03
14928	21	4/03*	16663	6	42/02:6,16/03	17541	3	43/02	18476	4	39/02:7,9,28,34,38/03
14929	24	14/03*	16665	7	42/02:6,16/03	17542	6	47/02	18477	5	7/03
14930	24	45/02	16680	10	6,32,37/03	17543	17	41/02:43/03	18480	29	2*:6,7,43/03
14931	24	35/02*	16681	10	37/02*	17545	13	43,47/02:43/03	18484	10	40/02:15,29/03
14932	23	26/03*	16682	15	8*,17,19,37/03	17546	22	42,43,47/02:24,34,35,43/03	18485	15	2*:10,29/03
14933	24	35*:37/02	16683	9	3,6,17,32,37/03	17548	28	16,43/03	18500	28	39/02:12,22,28/03
14934	27	17*:26/03	16700	28	40*:43/03	17549	6	47/02:15/03	18502	84	39,42,49/02:9,21,28,29,42/03
14937	24	52/02*:2,17/03	16701	19	37/03*	17550	4	42,43,P44,45,47,48,52/02:43/03	18504	65	19*:35/03
14942	25	35/02	16702	11	37/03*	18000	8	45/02:6,10,21,36,44/03	18520	24	33,39/02:22/03
14963	20	51/02	16705	19	49/02:16,43/03	18002	6	N45/02:N2,N6,N10,N21,N36,N44/03	18521	69	34*:39,49/02:4,10,12,21,22,24,29/03
14965	21	11/03*	16707	10	34,37/02:16,20/03	18003	19	22*:41,43/03	18523	53	33/02:4,12/03
14966	25	14*:21/03	16708	25	37,49/02:16,20/03	18005	4	N34/02:N6,N10,N13,N21,N26,N40/03	18524	33	33/02:4,6,10,24,29/03
14967	22	5/03	16709	22	49/02	18006	3	N6/03	18525	33	33/02:4,9,29/03
14970	25	40,46,51/02	16712	1	16/03	18007	31	33,34,37,38,39,40,47,52/02:18,22,24,26,35,41/03	18526	55	33/02:4,18,29/03
14973	27	15/03*	16713	2	49/02	18008	7	N33,N34,N37,N38,N39,N40,N47,N52/02:N18,N22,N24,N26,N35,N37,N41/03	18528	10	52/02*:18/03
14975	33	52/02*:43/03	16741	9	46/02	18009	2	N34/02:N6,N13,N26,N40/03	18529	10	52/02*
14983	9	46/03*	16760	10	51/02:28/03	18010	20	33,34,37,38,39,40/02:6,13,26,33,40/03	18531	20	34/02:9,10/03
14985	9	41/03*	16761	16	28/03	18020	36	34,37,45/02:6,10,13,21,26,36,40,43,44/03	18532	20	10/03
14986	9	46/03*	16766	4	47,52/02:24,35,36/03	18022	33	34,37,45/02:6,10,13,21,25,33,35,36,40,43/03	18533	5	8/03*
14988	10	41/03*	17003	10	41,45,47,52/02:24,34,35,43/03	18400	44	41*:43/03	18537	39	39/02
14995	11	52/02*	17005	10	41,45,47,52/02:24,34,35,43/03	18401	12	34/03	18561	11	33,39/02:10/03
15043	3	34/03	17008	12	43/02:36/03	18403	21	6,20/03	18580	21	33,38,39/02
15044	3	34/03	17300	30	52/02*:21,39/03	18405	12	43/02:16/03	18581	17	49/02*:4,36/03
15066	5	32/03	17302	18	51/02	18406	5	16/03	18583	38	33,42,49/02:12,43/03
15313	1	15/03	17303	9	37/02	18409	8	41/03	18584	37	39,49/02:4,6,30/03
15562		N41/02:N16/03	17315	23	2*:16,21,25/03	18411		N16,N20/03	18587	68	33,39,42/02:4,6,9,10,21,27,36/03
15569		N23/03	17316	20	3,25/03	18412	10	20/03	18588	37	22*:36/03
15570		N23/03	17318	5	39/03	18413	15	20,22/03	18589	15	44/03
15585		N14/03	17320	15	13,29,34,39/03	18414	9	20/03	18600	14	33,37,38,40/02:44/03
15690		N35/03	17323	10	13,22,29,39/03	18415	8	42/02:7,22,32,39/03	18601	13	10/03
15880		N41/02	17324	13	39/03	18416	6	P44,48/02:22,46/03	18602	12	26/03*
15954		N47/02*	17325	7	29/03	18418	6	15/03	18603	16	9*/10/03
16003	16	13,36/03	17327	21	46/03*	18419	11	47/02:12,46/03	18620	23	35/02*
16004	11	13,17/03	17360	33	31*:36/03	18421	45	2*:18,20,22,32,36,37,39,45/03	18622	52	49/02:21,25,27,35/03
16005	9	36/03	17382	15	20*:36/03	18423	33	1*:5,7,9,15,18,30,32,34,36,38,39,43,45/03	18623	11	34/02
16006	33	6,32,35,36/03	17383	1	49/02:8/03	18424	25	7,45/03	18626	15	37/02:10/03
16011	35	38/02:8,29,31,32,35,44/03	17384	7	44/02	18427	21	35/02*:7,19,45/03	18640	24	26,38,42/03
16012	21	38/02:34/03	17385	14	14/03*	18429	9	3*:22/03	18643	17	26*:33,41,43/03
16013	28	52/02:21,29,32,34,35,41,44/03	17400	16	36/02:10,12,44/03	18430	7	6,7,22/03	18645	24	50/02:33,38/03
16016	19	34/03	17401	10	1,36/03	18431	6	2/03*	18647	15	2/03*
16042	7	39/02*	17402	10	46/02*	18432	5	14/03*	18649	62	33,36,38,41/02:4,6,21,26,33,38,43/03
16061	8	37,49/02:13,17/03	17405	14	12,25,46/03	18433	5	2*:22,32,36/03	18651	42	15/03*
16200	13	36/03	17406	6	25/03	18434	2	P44,48/02:6,9/03	18652	32	36*:40,43,46/03
16206	7	46/03	17409	10	39/02*:44/03	18440	26	3*:15,18,22,28,30,32,34,38,45/03	18653	9	36,38,41/02:4,6,21,43/03
16220	5	36/03	17413	2	43,50/02:10,44/03	18441	43	39*:45/03	18654	42	38,49/02:12,16,35,46/03
16300	8	52/02:3,8/03	17414	3	41/02	18442	15	39/02:6,34/03	18655	58	49/02:12,16/03
16305	9	8/03	17416	3	10,14/03	18443	15	39/02:6,34/03	18656	53	19*:21,33,40,43/03
16322	7	8,46/03	17420	26	36,37,42,43,50/02:1,10,12,14,20,36/03	18444	43	39*:45/03	18657	18	4,21,40/03
16363	12	38/02*	17422	8	52/02*	18445	15	39/02:6,34/03	18658	29	4,21,33,40/03
16381	8	8,25/03	17426	13	37/02:1,16,20/03	18446	15	39/02:6,34/03	18659	14	49/02:7,16,21,43/03
16420	10	46/03*	17427	7	21,36/03	18447	15	39/02:6,34/03	18660	2	29*:43/03
16440	13	37/02	17428	7	5,36,43/03	18448	26	3*:15,18,22,28,30,32,34,38,45/03	18661	27	15*:16,43/03
16441	7	37/02	17429	2	N38/02*	18449	26	3*:15,18,22,28,30,32,34,38,45/03	18662	20	7,43,44/03
16442	7	41/03*	17430	10	5,36/03	18450	26	3*:15,18,22,28,30,32,34,38,45/03	18663	5	14*:43/03
16480	10	38/02:34/03	17434	11	5,36,43/03	18451	43	39*:45/03	18666	1	21,33/03
16500	9	9,33/03	17435	16	40/03	18452	43	39*:45/03	18680	30	6,13,33,35,38,40/03
16520	21	2,31,33/03	17436	6	20/03	18453	43	39*:45/03			
16528	16	9,33/03	17437	8	21/03	18454	43	39*:45/03			
16529	14	50/02:9,33/03	17438	12	50/02:10,14,15,21,36/03	18455	43	39*:45/03			
16530	6	50/02:33/03	17441	7	10,15/03	18456	43	39*:45/03			
16535	12	2,21,31/03	17443	12	10/03	18457	43	39*:45/03			
16549	15	41/03*	17445	2	10,14,36/03	18458	43	39*:45/03			
16553	3	17/03	17446	2	10,14,36/03	18459	43	39*:45/03			
16556	4	8/03*	17460		N5,N36/03	18460	43	39*:45/03			
16561	1	29,35,44/03	17465	4	6,12/03	18461	43	39*:45/03			
			17470		N23,N41/03	18462	43	39*:45/03			

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
18685	32	36*,46/03	21033	46	1,16/03	22281	9	12,18/03	24016	53	39/02
18687	13	8/03*	21036	7	1,16/03	22282	17	12/03	24024	46	18,25/03
18700	22	40/03*	21120	27	47,50,51,52/02	22283	3	N12/03	24028	6	48/02
18703	25	40/03*	21121	18	47/02	22284	7	N10,N38/03	24050	11	34,38,49/02;20,31,32,33/03
18704	12	37/02	21122	5	47/02	22290	4	18,30/03	24052	15	37,38/02;14,19,21,30,42,44/03
18720	31	35/02;4,6,10,12,25/03	21125	13	51,52/02;36/03	22293	15	18,26,37,38/03	24053	16	19/03
18721	11	35/02;6,10,39/03	21126	1	50/02	22294	15	12/03	24055	6	37,49/02;14,19,21,42/03
18723	3	6/03	21140	1	45,50/02;12,27,36/03	22305	2	18,24,30,34/03	24057	4	38,49/02;20,30,33,42/03
18724	1	22*,25/03	21141	23	48/02	22311	19	8/03	24058	2	37,38/02;19,22,28,29,30,42,44/03
18725	27	32/03*	21160	1	45/02	22312	2	13,30/03	24060	2	34/02;17,32/03
18740	40	46/03*	21161	19	43,48/02	22313	2	44/02;8,18,38,40/03	24080	5	17/03
18741	18	N45,N50/02;N12,N27,N38/03	21180	1	2,7/03	22314	1	44/02;40/03	24091	6	6,21,46/03
18744	30	37/02;35/03	21182	34	39/02	22322	11	33/03**	24092	14	6/03
18746	34	34/02;5,13,41/03	21200	1	2/03	22331	2	N10,N19,N24/03	24100	5	46/03
18749	38	40/02;5,6,16,21,26,28,31,39,41/03	21301	13	3,12/03	22335	4	19/03	24101	3	37,41/02
18751	42	40/02;5,6,16,21,26,28,31,39,46/03	21342	28	41,44/02	22341	9	43/02;11,21,29/03	24102	3	37,41/02
18754	17	39*,43/03	21384	3	6/03	22342	9	21,29/03	24110	3	35/03
18757	10	13,41/03	21401	20	7/03	22343	1	N43/02;N10,N11,N21,N41/03	24130	14	5/03
18758	6	35/02*;16,33/03	21441	27	34,44/02	22344	6	N23/03*	24133	6	31/03
18760	6	N34,N35,N45,N50/02;N6,N25,N35,N36,N44/03	21478	3	9,16/03	22345	11	42/02;24/03	24140	18	41,42,46/03
18765	15	45,50/02;12,27,46/03	21482	1	36,46/03	22347	6	N23/03*	24141	4	5/03
18766	7	45,50/02;12,27,36/03	21510	1	9,16/03	22351	1	N43/02;N12,N35,N41/03	24142	43	5,6/03
18768	4	N45,N50/02;N12,N27,N36,N38/03	21520	1	29/03	22352	6	12,19,24,35/03	24150	27	41/03
18772	47	21/03*	21525	19	38/03	22360	2	19/03	24151	4	41/03
18773	39	40*,41/03	21563	3	45/02	22361	2	N10,N30,N32,N33,N34/03	24152	2	41/03
18774	10	35/02*;10,16/03	21581	5	41/03	22370	2	15,19,26,30,33,34/03	24153	6	39/03
19002	9	N37,N51/02;N16,N23,N29,N46/03	21584	2	41/03	22371	5	30,32,33/03	24155	6	46/03
19004	36	35,37,51/02;23,29,30,46/03	21601	4	31/03	22373	1	N50/02;N10,N24,N30,N32,N33,N34/03	24161	11	42/02;7,28,32,39,40/03
19007	16	51/02;16,23,29,30,46/03	21603	9	5,31,36/03	22375	1	N10,N15,N26,N37/03	24162	9	42/02;6,7,28,32,39,40,42/03
19008	4	16,23,29,46/03	21605	7	31/03	22377	1	N10,N13/03	24164	6	39,41/03
19009	4	16,23,29,46/03	21661	12	6/03	22379	1	N50/02;N10,N30,N32/03	24170	14	5,6,35/03
19010	17	45*,51/02;23,29/03	22004	38	34,36,39,41,43,52/02;16,29/03	22381	1	N43/02	24171	19	5,6,37/03
19013	16	51/02;29,30,46/03	22008	35	34,36,39,41,43,44,48,52/02;6,14,17,29,32,38/03	22395	2	42/02;15,19,22,26,30/03	24172	4	5,6/03
19016	9	46/03	22012	31	34/02;6,29,32/03	22401	4	N23*,N30/03	24180	15	8,40/03
19019	9	28/03*	22032	20	19,40/03	22403	1	N45/02	24202	6	31,35,46/03
19320	16	35,37,51/02;5,16,23/03	22036	28	47/02	22404	15	46/02	24210	14	42/03
19322	22	35/02;5,23/03	22050	4	12,26/03	22406	1	N1/03	24220	14	39/03
19327	10	23,43/03	22052	6	46/02;25,34,43/03	22408	1	N10,N21/03	24222	3	39/03
19330	9	27/03	22082	4	13,25,38/03	22409	4	N45/02;N10,N17,N22/03	24223	33	39/03
19331	7	23,43/03	22084	4	42/02;35,37/03	22410	32	43,44,46/02;19,23,40/03	24233	15	36,43/02
19339	1	N35,N49,N51/02;N5,N13,N30/03	22090	2	43/02;4,17/03	22413	1	N45/02;N22/03	24234	3	35/03
19340	26	35,49,51/02;5,13,29,30,36/03	22100	3	12/03	22417	1	N10,N25/03	24240	5	39/02;7,39,46/03
19347	17	29/03	22101	19	43/02;37/03	22418	2	36,44,46/02;19/03	24250	5	39/02;7,39/03
19348	7	29,43/03	22102	19	17/03	22420	2	4,11,15,19,30,40/03	24251	23	34,43/02;6,39/03
19353	12	27/03	22109	3	17/03	22421	4	N43,N44,N46/02;N11,N23,N25,N26,N27/03	24252	5	39,43/02;6,39/03
19357	22	42*,49,51/02;5,13,30,36/03	22111	4	17/03	22423	3	N11,N25,N27/03	24260	5	34/02
19359	10	12,16/03	22112	3	43/02;17,37/03	22424	1	N27/03	24270	3	17,29/03
19360	1	N37,N51/02	22113	8	12,17/03	22425	2	44,46/02	24271	14	17,29/03
19361	7	30/03	22114	5	42,43/02;17,33,37/03	22427	1	N43,N44,N46,N50/02;N11,N23,N25,N26,N40/03	24274	2	17,29/03
19362	12	49/02	22117	3	37/03	22429	1	N43,N44,N46,N50/02;N11,N23,N25,N26,N40/03	24290	3	36,43/02
19366	36	49/02;5/03	22120	3	34,36,39,41,43,52/02;29,32/03	22429	1	N46/02;N10,N14,N17,N19,N27/03	24291	4	36/02
19367	37	49/02;10/03	22121	9	34,36,44,52/02;29,32/03	22430	6	19/03	24292	4	36/02
19369	5	49/02;10,36/03	22124	2	34,52/02;6,29,32/03	22433	3	39,47/02;11,14,35/03	24293	6	36/02;37,42,46/03
19379	1	N51/02;N5,N13,N30,N46/03	22125	1	36/02	22434	2	35/03	24294	22	36/02;37,46/03
19380	14	51/02;5,13,30,46/03	22130	2	44/02;14,17,29,32,38/03	22436	2	39/02;10,14/03	24320	4	34,43/02;6,17/03
19381	8	49,51/02;26/03	22138	2	41,44,48/02;6/03	22440	1	19/03	24321	3	6/03
19382	15	26/03	22140	2	34,36,44/02;25/03	22471	31	44/02	24322	6	34/02;6,17/03
19383	17	49/02;5/03	22142	2	39,41,43/02;25,40/03	22481	35	43,44/02;19/03	24350	2	51/02;18/03
19387	9	N46/03	22145	2	N41/02;N25/03	22482	16	44,50/02;23/03	24355	2	51/02;25,37/03
19388	2	N46/03	22160	2	34,39,41,48,52/02;25/03	22492	3	34/03	24360	1	25/03
19401	8	10/03*	22170	3	39/02;6/03	22521	3	12,17,34/03	24370	1	34/02
19402	6	9/03*	22172	8	48/02*;4,6,29/03	22523	3	12,17,34/03	24375	2	34/02;38/03
19421	7	8/03*	22173	36	48/02*;6,17,29/03	22529	3	12,17,35/03	24376	1	38/03
19441	7	28/03*	22180	2	34/02;32/03	22531	2	12,17,35/03	24380	2	35/02
19442	5	14*,26/03	22181	16	39,41/02;29/03	23010	4	38/02	24404	8	35,44,48/02
19461	7	10/03*	22182	6	34/02;14,29/03	23020	4	22/03	24405	10	35,36,44,48/02
19483	6	11/03*	22183	3	32/03	23030	6	38/02;21,22,37,42/03	24406	30	2/03
21005	5	45/02;2/03	22190	2	29/03	23121	7	17,20/03	24408	21	36,44,48/02
21008	62	39,42,43,50/02;1,2,36/03	22205	2	12,18/03	23122	8	33/02	24410	2	44/02
21011	5	2/03	22221	20	12,31,34/03	23124	3	N17,N20/03	24430	5	39/02;8,11,31/03
21014	72	42,50,52/02;2,3,4/03	22222	1	4,12,31/03	23125	4	17/03	24431	14	39/02;31/03
21017	50	41,50/02;4,5,6,9/03	22225	2	12,18,40/03	23131	7	12,22/03	24434	4	39/02
21020	42	41/02;5,6,7/03	22233	29	13,18,25,37/03	23141	7	34/02;22,37/03	24450	3	26/03
21021	3	45/02;13/03	22250	2	42/02;12,18/03	23142	10	8,37/03	24453	5	26/03
21023	41	34/02;7,8,9/03	22251	11	12,28/03	23145	3	37/03	24454	5	5,26/03
			22259	4	20,24/03	23150	10	37,52/02	24460	4	39,47/02;15,29,32/03
			22263	1	26,37/03	23151	3	12/03	24461	4	16,38/03
			22264	2	42/02;13,18,20,24,26,37,41/03	23152	3	37/02;12/03	24462	5	47/02;16,29/03
			22275	3	42/02;12,18,26/03	23153	8	12,13/03	24463	6	39/02;12,15,25,26,38/03
						24004	36	41,42,46/03	24465	6	33,47/02;38/03
									24469	1	46,47/02;13/03
									24470	4	39,47/02

## SECTION I

NM 46/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
24471	8	47/02	26240	7	9/03	35099	3	41/02	37044	16	45/02
24480	1	41,44,45,49/02;24,27,42/03	26244	3	9/03	35100	14	40,45/02;5,30/03	37045	11	45/02
24482	2	49/02;31/03	26245	16	51/02;15/03	35101	6	41/02	37046	18	43/02;43,46/03
24483	2	49/02	26259	2	51/02	35103	5	41/02	37050	9	42,46/02;10,12,17/03
24484	3	49/02;31/03	26261	27	8/03	35120	13	40,45,47/02;5,30/03	37060	3	46,50/02;9,13,18,43,46/03
24490	3	25,27/03	26262	3	8/03	35130	3	48,51/02;5/03	37061	15	36,38/02;5/03
24491	3	27/03	26282	6	22,23,34/03	35135	1	5/03	37063	21	36,50/02;43/03
24492	20	46/02	26290	1	21/03**	35136	2	48,51/02	37075	3	5,18,43/03
24501	3	27/03	26295	1	21*,22,34/03	35141	11	34/02	37080	3	33,34,38,40,42,44,45,46,51/02;1,4,7,9,14,15,18,20,21,22/03
24502	6	46/02;27,34/03	26300	7	21/03*	35143	7	34/02	37081	23	38,43,50/02
24504	7	41,45,46/02;42/03	26308	5	21*,22,23,34/03	35144	3	11/03	37082	9	44,50/02;11/03
24508	3	22/03*	26309	26	11/03	35150	3	48/02	37084	9	38,40,43/02
24509	2	45,50/02;15,25,34,42/03	26312	2	21/03	35155	3	25/03	37085	8	38,40/02
24510	2	41,45,46,50/02;42/03	26316	3	21/03	35163	7	44/02	37086	8	38,50/02;4/03
24511	2	24,42/03	26320	5	35/02;7,12,22,23,25,31,40/03	35166	4	35/02	37087	7	38,40/02
24512	3	44,46/02;24,25,38,42/03	26323	4	1/03	35167	3	35/02	37088	9	5/03
24513	18	46/02;38,42/03	26327	2	N41/02*;N17/03	35169	2	35/02	37089	12	4,13/03
24517	2	46,49/02;25,40,42/03	27005	4	6,8,9,22,23,34/03	35200	7	48,51/02;5,25/03	37090	8	45,51/02;1,7,9,14,16,22/03
25001	7	15/03	27040	5	9/03	35236	2	38,50/02	37095	3	1,7,9,11,14,15,16,20,22,32,39/03
25017	5	15,25,31,34,39/03	27041	4	50/02	35246	2	38,43/02	37104	3	41/02
25018	9	15,25,31,34,39/03	27042	21	41,42/03	35247	4	50/02	37106	4	32/03
25400	1	35,48/02	27060	2	22,23,34/03	35255	3	50/02;14/03	37110	11	47/02;20,25,31,32,39/03
25480	1	42,46/02	27080	4	15,22,39/03	35256	2	14/03	37112	1	47/02
25485	45	36/03	27081	6	49/02	35270	2	38,46/02	37115	2	33,47/02;7,25,31,32,39/03
25487	2	36/03	27082	6	49,51/02	35276	3	46/02	37119	2	43/02
25524	43	33/02;1,5,20,24,26,32/03	27083	39	28/03	35277	3	38,46/02	37120	2	39,42,49,51/02;4,6,21,23,24,25,26,27,30,32,39,42,43,44,45/03
25525	17	1,5,26/03	27084	4	13/03	35279	3	38/02	37121	11	25/03
25526	2	33/02;24,32/03	27100	2	8,21/03	35299	9	13/03	37122	12	48/02;19,31,44,45/03
25527	31	33/02;24,32/03	27102	11	28/03	35301	6	17/03	37123	9	49/02;6,20/03
25528	5	42/02	27102	4	41,43,44/02	35302	7	17/03	37125	15	42,49/02;6,9,20/03
25550	2	21/03	27142	5	9/03	35303	7	40/02;17/03	37126	8	41/02
25563	50	33/02;14,18,21/03	27160	2	8,13,35/03	35308	5	10/03	37127	11	49/02;4,6,20/03
25565	7	33/02	27161	4	8,13/03	35330	2	38,41/02	37129	6	39,42,49/02;4,6,20,23,24,30,42,45/03
25566	27	18,30/03	27163	21	49/02;8/03	35350	2	38,41/02	37133	4	44/02
25567	16	21/03	27183	8	1,9/03	35402	3	38/02	37134	5	38/02;45/03
25570	3	16/03	27186	8	1,9/03	36005	2	34,36,38,45,46/02;P12,14,17,24,25,27,31,43,44/03	37136	6	38,46,50,51/02;30/03
25575	4	35,39/03	28004	1	45/02;8,9,22/03	36010	27	38/02;5,15,16,20,23,43/03	37137	6	46,48/02;30/03
25600	47	25,27/03	28006	1	8/03	36015	2	36,46/02;27,44/03	37139	8	1/03
25607	4	39/02	28050	3	34/02;26,42/03	36040	16	1,15/03	37140	33	35,49,51/02;4,6,16,24,25,30,32,42,43,44,45/03
25608	21	16,26,34,38/03	28084	4	17/03**	36046	5	38/02	37141	29	36,40,48,51/02;1,4,12,17,19,24,27,31,45/03
25613	2	25,27/03	28150	3	8/03	36060	17	38/02;5,8,20,21/03	37145	23	46,50/02;4/03
25640	40	15,25,31,34,39/03	28154	2	38/03	36061	5	46/02;20/03	37147	15	35,36,40/02;1,10,12,16,17,19,25/03
25644	13	20/03*	28190	2	41,43,45,46/02;18/03	36062	11	40*,46/02	37148	13	35,38/02;4,10,11,27/03
25646	7	N42/02	28196	4	41,43,45/02;18/03	36098	6	5/03	37149	10	44/02
25649	19	44/03*	28197	4	45/02;18/03	36102	6	13/03	37150	8	14,19,26,27,32,33,35,37,39,41,43,46/03
25650	33	25,30,31,39/03	28202	22	41,44/02	36103	9	13/03	37161	14	34,43/02;1,14,19,24,41,43,46/03
25653	13	8/03*	28210	2	33,35,39,41/02	36104	6	13/03	37162	12	21,26,27,30,32,33,35,37,39,40,41,43,45,46/03
25659	9	20/03*	28220	2	35,39/02	36106	7	47/02;5,13/03	37163	19	32,43/03
25663	27	17,30,39/03	28221	18	33,37,39/02;5/03	36118	3	5/03	37164	4	23,26,27,30,32,35,37,43,46/03
25664	15	17,30,39/03	28223	4	35,39/02	36120	9	46/02;5,8,16,23,27/03	37165	2	34,36/02;10,12,13,15,21,23,26,27,28,30,32,34,35,37,39,43,45/03
25666	17	17/03	28260	30	35,37/02	36123	25	46/02;11,16/03	37170	11	38/02;14,19,46/03
25667	20	15/03	28263	3	35,37/02	36124	18	16/03	37175	2	5,27,30,45,46/03
25668	18	48/02;13,34/03	28264	3	35,37/02	36125	4	4/03	37180	20	38/02;27,31,35/03
25670	41	38,48,49/02;4,5,13,20/03	28265	3	37/02	36129	3	39/02;4/03	37182	14	35,47,48/02;24,27/03
25671	18	21/03*	28281	32	36/02	36139	4	4/03	37183	9	48,51/02;10,24/03
25673	15	42/02;43/03	28282	2	35/02	36140	12	36,41/02;4,10,27/03	37184	8	48/02;5/03
25675	9	20/03*	28300	1	39,50/02	36141	7	4/03	37200	15	28,30,35/03
25677	20	32*,39/03	28302	16	33,39,40/02;12/03	36143	4	34/02;5,30,43/03	37202	2	22,27/03
25679	10	20/03*	28310	2	33,35,39/02	36161	10	34,44,45,47,50/02;4,10,18/03	37205	2	39/02;22,24,30,40/03
25681	16	28*,34,39/03	28320	6	33/02	36167	2	40/02	37221	13	34,36/02;6,10,11,12,13,14,15,21,23,29,30,32/03
25683	18	32*,34,39/03	28325	2	5/03	36173	1	40/02	37222	13	21,22,30,46/03
25685	9	22/03*	29002	9	18,29/03	36180	23	36,40,50/02;4,27,44/03	37223	14	42/02;21,26,27,30,32,34,35,39,43/03
25687	12	30/03*	29015	5	16/03	36181	18	36,40,50/02;4/03	37224	11	22,23,30,37/03
25700	3	15/03	29040	3	39/03	36182	6	36,40/02;27/03			
25720	3	33/02	29107	2	29,36/03	37000	22	47,48/02;14,23,43/03			
25800	3	36/02	29127	4	29,39,42/03	37005	16	41,45,47/02;5,12,13,15,23,28,29,30/03			
25841	9	36/02	29141	3	29,39/03	37010	23	41,45,47/02;10,12,13,15,19,23,27,28,29,30,43/03			
25848	25	5,13,15/03	29142	3	7/03	37025	26	38,51/02;1,24,25,27,31,33,34,36,38,41,43/03			
25849	13	42/02;12/03	35000	26	47,48/02;14/03	37032	2	1,6,25,31,38,42,43,45/03			
26001	4	9/03	35008	21	45,48,50/02;5,25,27/03	37033	2	47/02;33/03			
26050	1	34/02;26/03	35009	19	40,41,45/02;5,10,14/03	37034	2	8,14,33,41/03			
26060	1	49/02;42/03	35011	2	48/02;1,25/03	37041	15	50/02			
26068	11	18/03	35036	21	36/02;10,15,27,43/03	37042	5	41,45/02			
26081	8	46/02;16,42,43/03	35040	18	45/02;4,8,10,14,21/03	37043	17	43/02;43,46/03			
26100	4	31/03	35041	8	35/02;4/03						
26122	30	22/03*	35042	9	44/02;4,14/03						
26125	3	41/03	35044	9	38/02						
26127	21	49/02;5/03	35047	5	35/02						
26128	50	49/02;5/03	35060	14	40,41/02;10,14/03						
26129	11	41/03	35080	16	40/02						
26142	10	33/02	35081	15	22,27/03						
26210	2	36/02	35082	7	22,27/03						
26218	2	31/03	35083	8	20/03						
26219	5	31/03	35084	15	50/02						
26229	11	31/03	35086	5	22/03						
26230	12	31/03	35088	2	50/02						

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

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\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37226	17	39/02:8,9,12,14,17,21,23/03	42660	5	38/03	43374	1	43/03	44185	7	45,49/02:1,2,10,27,32/03
37228	14	8,14,23,27,29,30/03	42740	5	34,41/02:6,25,31,40/03	43375	7	46/02:6,7,10,12,16,18,23,42,44/03	44186	2	45,46,48/02:1,2,5,8,9,10,15,16,25,27,29/03
37229	15	8/03	42742	3	6,8,30/03				44187	2	5,6,9,13,25,27,39,44/03
37230	14	39/02:28/03	42760	5	8,19,24,25/03	43378	2	38/03	44192	1	46,48/02:1,18,23,39,43,44/03
37231	18	6,10,12,14/03	42762	3	N25,N30/03	43384	1	48/02:4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32,44/03	44193	1	1,7,15,18,43/03
37232	12	29,31/03	43000	4	9/03				44200	9	34,52/02:4,9,12,13,22,27,37,43/03
37234	13	7,8,31/03	43015	12	9/03	43385	1	45,48/02:5,11,13,20,23,24,26,42,46/03	44203	1	33,48/02:2,5,15,25/03
37235	11	17/03	43030	24	2,9,10,11,12,13,15,17,22,27,28,30,32,46/03	44001	2	48,49/02:1,6,7,8,9,11,13,14,P20,23,26/03	44204	1	48,52/02:2,4,5,7,12,13,27/03
37238	6	17,21,30,33,37,40,41,45/03	43040	6	38/03	44015	8	48,49/02:6,7,8,9,10,11,13,14,24,26,40,44/03	44205	2	48,52/02:2,5,7,12,15,19,22,26,27,29,31,39,43/03
37241	17	26,27,30,32,33,35,37,39,43,45/03	43058	3	20/03	44030	7	46/02:4,8,9,13,19/03	44206	1	46/02:4,5,13,16,17,19,24,28,40,46/03
37242	10	26,30,32,35,39,43/03	43059	3	44/02:20/03	44036	5	13,16,17,20,23,28,30,32/03	44207	1	4,5,17,19,23,28,40,41,45,46/03
37243	7	27,30,32,37/03	43060	4	44/02:27/03	44037	5	16,22/03	44220	5	46/02:4,5,13,16,21,40,45,46/03
37244	11	23,26,27,28,30,32,33,35,37,39,43,45,46/03	43079	2	41/02	44038	5	46/03	44221	1	19,21/03
37246	14	21,24,27,30,32,33,35,39,40,43,45,46/03	43080	4	44/03	44040	23	44/02:6,10,13,16,17,20,22,23,24,28,30,32,44/03	44223	1	6,13,21,24/03
37248	18	39/02:21,23,24,26,27,30,32,35,40,41,43,45/03	43082	5	41/02	44041	7	48/02:1,9,10,13,16,20,23,28/03	44224	1	49/02:5,20,21,24,42/03
37258	4	1,11,22/03	43101	3	46/02	44042	7	44,45,49/02:4,7,9,10,11,17,19,20,25,27,28,29,32/03	44240	8	49,50/02:4,7,13,14,15,16,19,21,25,39/03
37261	10	1,7,11,20,22/03	43102	4	46/02	44043	8	44/02:1,6,9,10,11,13,16/03	44242	2	5/03
37262	20	1,11/03	43104	4	46/02	44044	6	6,10,13,16,44/03	44260	7	2,5,6,13,21/03
37264	3	1,15,22/03	43106	6	44/02:44/03	44045	6	22,44/03	44281	2	49/02:12,15,19,21,22,27,45/03
37265	3	1,7,17,32/03	43125	7	44/03	44046	10	22,24/03	44282	1	49,50/02:13,17,19,21,26/03
37281	15	1,15,22/03	43127	5	20/03	44047	22	44/02:10,12,22,24,30,31,32,40/03	44283	2	50/02:8,21,43,45/03
37320	16	38,44/02:9,10,11,P12,15,17,21,24,36,38,44/03	43140	4	41,48,52/02:12,35,38/03	44048	11	5,12,18,22,25,27,31,40/03	44284	2	41/02:6,42,44/03
37325	8	34,39,47/02:15,18/03	43141	5	52/02:12/03	44049	9	44,46,50/02:8,14,22,24,30,31,40/03	44285	1	2,15,40,44/03
37326	2	34,47,51/02:15,18,21,36/03	43142	4	52/02:12/03	44050	21	20,31,32/03	44286	1	2,27,40/03
37328	2	42,44/02:11,15,21,24/03	43143	4	12/03	44051	1	44,48,50/02:1,11,14,22,25,26,27/03	44310	5	41,42/02:7,37/03
37330	2	34,38,40,46/02:9,13,14/03	43144	4	6,12,43/03	44057	5	29,30/03	44313	1	41,47/02:36,37,39,40/03
37342	3	2,11,15,21,45/03	43145	4	12/03	44061	21	24,32/03	44319	2	41,42/02:4,6,9,10,P20,26,27,28/03
37343	10	45/02	43146	2	48/02:34,35,44/03	44062	8	28,40/03	44320	4	6,8,9,15,P20,25,26,37/03
37344	11	34/02:21,38,45/03	43147	3	35,38/03	44063	8	17/03	44321	6	40/02:6,8,44,45/03
37360	15	34,43/02:2,9,10,11,15,17,21,24,31,36,38,39,43,44,45/03	43148	4	43/03	44064	19	22,28/03	44340	11	37/02:4,6,8,9,15,17,P20,26,33,37/03
37362	6	43,48,51/02:1,2,4,17,22,32,33,38,39/03	43150	2	N34,N35,N38,N41/03	44065	7	42/02:16,17/03	44341	7	37,41/02:7,9,P20,26/03
37363	8	48/02:4,17,32/03	43160	6	34,35,36,38,41/03	44066	10	39/02:31/03	44342	8	37,41/02:6/03
37367	1	38,49/02	43161	2	41,44/02:35,41/03	44067	22	16,17,28/03	44352	2	4,6,7,8,12,15,17,19/03
37380	2	34,40,42,43,44,48,51/02:9,10,17,21,38,39,41,43/03	43162	3	41/03	44068	11	44/02:10,11,13,40/03	44360	9	34,37,41,42/02:4,9,10,20,27,28,30,31,32,37,39,44/03
37400	10	34,38,40,41,44,46/02:6,10,20,31,34,36,41,43,46/03	43163	3	44/02:41/03	44069	16	11,13,17,22,23,40/03	44361	6	4,10,15,21,26,27,28,35/03
37401	9	44/02:4,6,13,14,16,22,31,36,43,44/03	43164	3	48/02:6,34/03	44070	7	28/03	44365	1	7,8,26,27,43/03
37402	7	41,42,44,50/02:4,13,14/03	43166	2	43/03	44071	4	29/03	44366	1	34,41/02:44/03
37403	23	10,41/03	43167	5	36,42,44/03	44072	4	40/03	44367	2	35,37,40/02:6,39/03
37420	1	34,43/02:1,7,41/03	43168	2	36,42/03	44075	4	42/02:13,23,40/03	44400	4	48/02:4,6,7,8,9,12,15,17,19,23,24,25,27,34,41/03
37421	8	14,21,41/03	43180	5	9,44/03	44076	3	22,28,30,32/03	44401	7	10,12,19,24,41/03
37423	5	14,21,41/03	43181	3	43/03	44081	9	39/02:9,13,46/03	44410	4	4,6,11,12,13,14,15,23,24,26,27,41,45/03
37443	2	38,45/03	43182	4	47,52/02	44082	11	9,33/03	44420	6	36,49/02:8,9,10,11,12,14,17,22,25,27,40,44/03
37445	1	48/02:1,34,38/03	43204	4	36/03	44083	8	9,11,24,25,26/03	44444	6	9,12,30,34,35,36,38,41/03
37446	2	1,34/03	43223	4	41/02	44084	1	6,11,26/03	44461	10	6,10,24,25,26,28,31,36/03
37461	9	51/02:6,20,25,36/03	43224	4	41/02	44100	7	44/02:2,9,11,12,13,22,31,40,41,46/03	44462	4	27,39/03
37463	6	1,43/03	43240	4	50,51/02	44105	2	49/02:5,6,8,24,26,27,41/03	44463	9	24/03
37481	7	47,48/02:6,7,14,30/03	43242	4	52/02	44120	7	2,9,10,15,19,20,22,23,24,27,33,39,40,41,45/03	44465	2	6,25/03
37501	3	46,47/02:7,8,20,33/03	43243	4	50,51/02	44140	8	50/02:1,6,19,21,23,24,26,31,40,44/03	44481	2	24,26,31/03
37505	2	46/02:7,33,41/03	43247	5	44/03	44160	7	46/02:1,4,5,6,11,13,14,15,20,26,31,41/03	51007	22	38/02:7,27,33,40/03
37506	4	45,46,47,51/02:8,20,33/03	43248	3	9,44,46/03	44161	2	50/02:1,2,6,10,21,35,39,41/03	51013	4	38/02:7,21,33,36,45/03
38320	3	35/03	43252	1	44,46/03	44162	1	50/02:1,24/03	51017	31	37/02:24,40,44/03
38528	4	N20/03	43252	1	44,46/03	44163	1	48/02	51022	11	37/02:44/03
38580	8	18/03	43263	7	44/02:37,44,46/03	44164	1	46,48/02:1,11,18,22/03	51027	8	45/03
38585	4	18/03	43264	2	46/03	44165	1	46/02:1,5,6,11,20,22,24,34,39,45/03	51032	10	45/03
41000	2	15/03	43275	2	44,52/02:37,46/03	44178	2	2,5,7,10,16,26,27/03	51061	14	1,7,15,17,19,21,22/03
41060	3	34/02	43280	5	44/02:37,40/03	44179	2	10,16,35,39/03	51062	28	15,17,19,22/03
41100	2	N46/03	43281	6	27,37,44,46/03	44180	6	34,45,46/02:1,2,5,7,8,9,20,26,43/03	51064	2	52/02:1,17/03
42003		N23/03**	43283	6	27,37,40,43/03	44181	5	5,10,13,20,21,27/03	51081	10	5,6,13,15,17,21,22,45/03
42004	1	N23/03*	43284	4	51/02:40,43/03	44182	4	48,49/02:1,2,15,18,27,42,43,46/03	51082	7	5,7,13,15,17,21,22,45/03
42036	2	43/03	43285	5	44/02:44/03	44184	9	45,49/02:2,10,13,20,22,32/03	51100	7	1,6,7,8,9,14,27,33,34,41/03
42038	2	43/03	43287	2	27,37/03				51103	10	33,45/02
42160	3	7,38/03	43300	5	44,47,50/02						
42301	3	38/03	43301	4	45,50/02						
42560	5	31,38,40/03	43302	4	44,47,50/02						
42580	5	40/03	43303	4	41,47,50,51/02:43/03						
42600	5	14,30,40/03	43304	2	44,47,50/02:43/03						
42620	5	14,38/03	43321	6	41,47/02						
42640	6	38,40/03	43323	4	27/03						
			43324	4	27/03						
			43341	7	41/02:12/03						
			43342	7	26/03						
			43344	3	39/03						
			43345	4	1/03						
			43360	21	6,10,13,17,20,21,28,30,32,43/03						
			43362	5	44/03						
			43363	5	45/02						
			43364	5	45,46/02						
			43366	4	44/03						
			43368	5	43/03						
			43369	6	43/03						
			43371	13	38,43/03						
			43373	8	45/02:17,20,40,42/03						

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NM 33/02 THROUGH NM 46/03**

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
51104	1	33,45/02	52125	1	45,46/02;8,11,16,18/03	53263	1	37/02;17/03	54369	4	52/02;20,21,34/03
51120	6	6/03	52140	6	48,50/02;3,12,18,29,46/03	53264	5	17/03	54380	6	42/02;3,16,18,28,34/03
51135	1	22,46/03				53265	6	35,41,46,52/02;15,16/03	54382	9	16,28,40/03
51142	2	6,13,15,22,33,40,45/03	52141	5	48/02;41,44,46/03	53266	4	1,8,13,17/03	54386	10	42/02;16,18/03
51143	4	6,40,45/03	52142	2	12,18,23,29/03	53268	4	42/02;7/03	54387	7	42/02;16,18,30,39,42/03
51144	3	52/02;1,15,46/03	52143	8	18/03	53269	5	17/03	54389	8	43,52/02
51145	2	42/02;13,22/03	52144	5	50/02;3,7,8,10,14,16,18,21,23/03	53279	3	7,15/03	54400	8	43/02;3,16,22,30,36,37/03
51146	3	42,52/02;5,36/03	52161	14	6,11,14/03	53281	4	40,52/02;15,18/03	54402	4	52/02
51150	1	50,51/02;1,13,15,22,33,40,46/03	52164	2	14/03	53282	8	40/02	54403	4	43,52/02;24,30,36/03
51154	3	50,51/02;13,15/03	52170	3	14,16,42/03	53283	4	33,52/02;40/03	54404	4	43/02;3,7,16,30,37/03
51155	1	50,51/02;1,15,22/03	52172	2	40/02;1/03	53285	4	35/02;7,15/03	54409	2	7,8,12/03
51158	2	6/03	52180	14	42,43,51/02;1,8,10,13,15,16/03	53287	6	35,42/02;1,5,7,8,10,15,22/03	54413	3	37/03
51159	3	47/02;39/03	52200	8	7,17/03	53290	1	35/02	54416	5	33,37/03
51160	20	48,50,51/02;1,4,5,6,7,14,15,21,22,45/03	52220	7	27/03	53301	4	22/03	54417	1	30/03*
51163	4	4,43/03	52221	7	27/03	53302	4	51/02	54418	4	43/02;3,7,16,30,37/03
51164	18	38,45,46,50/02;2,4,8,43/03	52223	4	27/03	53303	6	49,51/02	54419	2	3/03
51165	8	45,50/02;2,4,8,10,14,16,39/03	52240	9	27/03	53306	2	39/02;31,43/03	54421	6	47/02;36,41,43,46/03
51166	3	N45/02;N39/03	53011	2	51/02	53311	3	39/02;37/03	54422	4	46/03
51167	6	45,50/02;2,4,8,10,16/03	53031	1	39,48/02;5,12,14,24,31/03	54040	3	37/02;6,10,20/03	54423	5	48/02*;17/03
51168	2	45,46,50/02;2,4,8,45/03	53058	2	4,37/03	54041	7	35/02;4,8,16,17,24/03	54430	1	37,43/02;36,43/03
51180	5	13,16/03	53060	14	51/02;4,5,9,10,12,14,31,36,39,44/03	54043	2	17/03	54440	4	41/02;17,38/03
51200	4	14/03	53061	10	44,47/02;12,16,17,38,44/03	54060	5	37/02;16/03	54441	6	42/02;2/03
51220	8	33/02;18,43,45,46/03	53062	13	1,14,16/03	54061	11	52/02;42/03	54462	5	17/03
51222	6	51/02;16/03	53063	9	33*,37/03	54063	3	1,13/03	54464	5	17/03
51223	2	17,18/03	53064	6	33/02;10,20,39/03	54085	2	40/02;15,24,42/03	54480	8	36,41/02;2,17,21/03
51240	2	33/02;43,46/03	53065	2	33/02;39/03	54090	3	46/02*;11,15,19/03	54481	8	36/02;33,43/03
51260	4	37,50/02;16,18,28,43,44/03	53081	8	4,5,11,16/03	54095	3	46/02*;8,15,30,42/03	55040	4	39,41/02;16,20,21,35,36,39,41,42/03
51261	23	5,6,13,15,19,40,46/03	53082	13	40/02	54105	3	46/02*;8,13,17,19/03	55041	7	21,43/03
51263	23	49/02;13,17/03	53083	8	9,10,21,22,41/03	54115	3	46/02*;15,30/03	55042	1	42/02;17,35,37/03
51341	23	48/02;6,16,34/03	53084	6	51/02;14,16/03	54120	5	37,39,41/02;15,17,19/03	55043	2	37,39,42/02;37/03
51342	3	1/03	53085	6	51/02;14,16/03	54125	3	46/02*;15,17,30/03	55044	5	41,43/02;16,42/03
51344	2	5,7,16,18,44/03	53086	8	46,48/02;17/03	54140	7	41/02;15,30/03	55045	2	41/02;39/03
51380	5	47/02;42/03	53087	9	48/02;17/03	54151	1	3,42/03	55046	4	37,38,39,41,48/02;18,19,35,36,41,46/03
51420	5	42/03	53088	7	33/02	54165	2	33,37/02;38/03	55047	8	41/03
51440	4	42/03	53089	4	21,22,23,41/03	54166	3	10/03	55048	12	36,37,39,41,48/02;20/03
51500	6	20/03	53090	1	41/02	54167	2	20/03	55049	6	41,43/02
51540	3	22,45/03	53093	2	41/03	54169	3	37/02;17,38/03	55050	7	36,37/02;28/03
51559	3	41/02	53100	16	33,39,42,51/02;6,10,13,18,20,21,24,31/03	54180	6	41,43,50/02;5,30,42/03	55061	1	28/03
51580	13	41/03	53101	7	33/02;8,13,16,24/03	54195	2	5/03	55062	5	28,33/03
51600	12	20,39/03	53104	2	35,42/02;20,24/03	54200	4	5,8/03	55063	1	6,44/03
51620	10	20,39/03	53105	20	37/02;8/03	54201	6	8/03	55064	3	37,48/02;6/03
51621	9	20/03	53106	6	21,33/03	54222	4	43/02;20/03	55082	9	5,25,32,44,46/03
51641	4	32,34,40/03	53107	16	35/02;6/03	54223	2	8/03	55084	7	39/02;39/03
52031	1	6,21/03	53110	1	40/02;10,15,17/03	54224	2	8/03	55085	9	5,31,33,36,39,46/03
52039	4	5*,7,8,9,13,14,18,21,45/03	53111	3	44/02*	54226	2	50/02	55100	8	36,37/02;6,28,29,33,34,39,43,44/03
52040	17	43,50/02;13,16,18,34/03	53112	14	39,42/02;5,6,7,13,17,31,35/03	54227	2	50/02	55101	4	7,25,32,34,38,39,42,43,46/03
52042	6	22/03*	53122	3	40/02;7,8,16/03	54279	4	50/02*;2,15/03	55102	3	4,5,15,25,32,36,43,46/03
52043	21	46/02;6,7/03	53123	3	7,29/03	54280	10	5,15,22/03	55103	2	48/02;1,4,5,7,15,19,20,25,26,27,31,35,36,38,42,43,45,46/03
52045	6	36/02	53125	2	46,51/02;13/03	54282	1	51/02	55104	2	48/02;4,5,7,14,19,31,33,36,45,46/03
52046	21	50/02;6,7,16,18,21/03	53130	1	42,47/02;10,13,18/03	54287	7	5,15/03	55105	7	36,41,42/02;14,15,29,33,36,42,43/03
52047	11	7,8,34/03	53133	4	33*,45/03	54288	5	1/03	55110	2	37/02;6,29,43,44/03
52048	3	8/03	53135	2	51/02;7/03	54289	8	1/03	55120	2	36/02;6,14,28,33,34,42/03
52051	1	43/02	53141	5	34,51,52/02	54302	1	21/03	55127	2	10,14,24,27,32,36/03
52052	1	43/02	53147	3	36,39,42,51/02;6,7,10,13,17,20,35/03	54318	3	1,14/03	55128	2	33,36,38/02;1,4,5,8,14,26,27,28,32,34,43/03
52054	1	14/03	53160	14	51/02;3,6/03	54320	4	48/02;1,24,25/03	55129	7	33,36,37/02;6,15,27,34,35,42,45,46/03
52055	1	14/03	53161	8	51/02;3,8,13,18/03	54321	2	25/03	55130	2	45/02;5,14,19,32,33,34,39,42,46/03
52060	16	43,50,51/02;7,12,P20,26,29,34/03	53162	7	50/02*;15/03	54322	7	1/03	55131	1	36,45/02;6,19,25,38,39/03
52061	2	45,48,51/02;7,12,20,P20,26,29,34/03	53164	9	37,51/02	54329	4	5/03	55133	3	5,14,34,36,38,46/03
52062	7	7,12,23,29,34/03	53165	13	39/02;8/03	54332	3	25/03	55139	5	41/02
52066	3	50/02;14,16/03	53180	10	33,34,43,51/02;1,3,6,7,13,15,18,20,21,29/03	54333	3	25/03	55150	2	37/02;15,36/03
52080	14	50,51/02;4,7,10,11,12,14,20,P20,26/03	53181	4	34/02;1,13,21/03	54334	3	5/03	55161	1	17,41,42/03
52082	3	45,46,48/02;11,12,20,P20,26/03	53182	4	36/02;15,16/03	54335	3	5/03	55170	2	36,41/02;46/03
52083	2	45,46,51/02;1,16,46/03	53183	13	35/02;20/03	54339	8	12/03	55180	3	32/02;1,15,29,33,36,39,42,45,46/03
52084	2	45/02;4,10,11,12,14,18/03	53184	5	35/02;1,6,13,18,20/03	54340	8	48,51/02;3,4,24/03	55190	2	6,20,27,39,40/03
52085	3	50,51/02;4,11,16,46/03	53200	6	33,36,43/02;5,6,7,15,16,20,30/03	54341	4	23/03	55200	2	8,10,20,25,26,27,28,32,33,36,39,42,45,46/03
52086	2	45,50,51/02;1,4,9,11,14,36/03	53201	6	51/02;18,21,38/03	54342	6	48/02;24/03	56031	1	1,2,17,21/03
52087	1	51/02	53202	6	15,17/03	54347	4	51/02			
52088	2	45/02;4,10,11,12,14,18,P20,26/03	53203	11	5/03	54350	4	51/02;37/03			
52092	1	46,51/02;16/03	53204	10	44/02;5/03	54351	7	52/02;26/03			
52120	12	51/02;6,11,16,18/03	53205	3	5,26/03	54352	3	52/02;1,3,33,37/03			
52121	8	45,46/02;1,6,8,11,16,23/03	53206	6	5,25/03	54359	2	38/03			
52122	14	45/02;11,14/03	53220	6	36,43,51/02;5,16/03	54360	12	52/02;20,21,34/03			
52124	1	51/02	53226	3	3*,17,18,35/03	54361	10	38/03			
			53242	2	52/02;1,13/03	54362	3	52/02			
			53244	1	1/03	54363	3	21/03			
			53262	7	42/02;21/03	54364	2	52/02			
						54365	6	36/02;11,21/03			

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
56041	4	21/03	61542	6	41,46/03	62460	4	33/02;10/03	71018	10	33,35,37/02;7,12,13,15,21,25,26,27/03
56044	3	38/02	61560	2	7/03	62464	2	49,50/02;4/03	71027	9	34,38,45,49/02;2,4,5,14,18,23,33/03
56060	9	27*,38/03	61562	2	6/03	62480	2	16*,18,32,41/03	71033	31	37,38,49/02;3,12,14,15,23/03
56063	1	16/03	61581	5	28/03	62490	2	16*,17,18,21,32/03	71036	8	35,44/02;12,14,23,26/03
56064	6	38/02;2,16/03	61582	4	28/03	62498	4	4,9,31/03	71040	5	34,42/02;7/03
56065	3	33,38/02;16,38/03	61591	4	28/03	62499	4	49,50/02;4,9,31/03	71042	1	34/02
56067	3	48/02*;20,38/03	61610	7	34/03	62510	3	11*,12/03	71045	2	23/03
56081	19	41/02	61611	11	34/03	62512	3	N11*,N12/03	71058	2	36/02
56082	16	29/03	61612	4	34/03	62515	2	45/02	71059	1	36/02
56100	14	33/03*	61650	3	12/03	62520	6	20*,28,32,41/03	71061	15	36/02
56101	6	33/02;1/03	62000	20	46/02	62521	4	N20*,N28,N32,N41/03	71066	1	39/02;6,7,10,24/03
56102	23	1/03	62001	5	11*,28/03	62530	6	20*,28,32/03	71081	3	21/03
56103	6	1,33/03	62024	13	38,40/02;29/03	62531	4	N20*,N28,N32/03	71091	4	1,2/03
56104	3	22/03*	62028	15	10/03	62540	6	34,40,45,48,50,52/02;8,12,17,18,21,30,35,43/03	71140	6	33,39,46/02;1/03
56105	1	38/03*	62032	16	11*,17,21,41/03	62541	3	N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30,N35,N43/03	71180	29	33,37/02;7,12,13,15,21,23/03
56120	12	1/03	62033	3	N11*,N17,N21,N41/03	62550	3	16*,28,32/03	71185	24	7,13,15/03
57000	10	43/03	62046	3	19/03*	62560	4	16*,18/03	71186	2	7/03
57029	9	12/03	62050	6	44/02	62570	4	33,34,36,40,45,48/02;8,12,17,18,30,35,37,43/03	71210	18	44/02;3,23,27/03
57035	10	10,12,23/03	62092	7	41/02	62580	3	33,45/02;12,35/03	71211	4	38/02
57060	7	43/03	62093	7	41,49/02	62590	2	36,40,46,48/02;8,12,17,18,21,23,30,37,43/03	71212	1	38/02
57063	5	40,41/02	62095	3	11*,32/03	62591	3	N36,N46,N48/02;N8,N12,N17,N18,N21,N23,N30,N37,N43/03	71230	11	38/02;6/03
57064	3	41/02	62097	6	38/03*	63000	13	48/02;40/03	71241	10	6,12,16,20/03
57101	18	41/02	62098	7	33/03*	63005	18	16/03	71243	5	15/03*
57103	2	16/03	62100	6	P23,26/03	63010	14	52/02;44/03	71247	18	5,6,8,14,17,21,22/03
57120	13	43/02	62110	9	P23,26/03	63015	11	38,40,52/02;9/03	71248	2	N51/02*;N1/03
57140	10	43/02	62140	1	34,40/02	63020	15	4,9,11/03	71249	2	35/02
57141	14	43/02	62142	10	32/03	63040	2	46/02	71251	11	35,40/02;1,15,21/03
57142	6	43/02	62143	3	32/03	63050	2	46/02;45/03	71253	10	35,40,42/02;5,6,7,13,14,16,17,21/03
57160	10	43/02	62170	2	38/02	63052	4	39,45/03	71255	6	28/03*
57162	7	43/02	62171	4	38,47/02	63053	4	39,45/03	71257	2	5,6,7,12,13,16/03
57164	2	43/02	62191	15	11*,15,28/03	63055	2	39/03	71258	2	35/02;5,6,7,13,22/03
57165	1	43/02	62194	8	36/02;4/03	63062	7	7,16,18,37,44/03	71259	3	15*,17,19,44/03
57170	1	43/02	62195	7	19/03*	63063	9	20/03	71261	8	35/02;2,16/03
57200	6	11/03	62220	9	21/03*	63065	6	44/03	71262	7	6,33/03
57220	4	11/03	62222	5	19/03*	63070	3	16/03	71265	3	46*,49/02;7,13,15,16,20/03
57241	12	31/03	62225	3	37/02;17/03	63080	5	48/02	71271	10	34,52/02;19/03
57242	8	41/03	62241	10	9/03	63090	8	15,30,40/03	71272	10	34/02;19/03
57245	1	41/03	62242	11	47/02;9/03	63091	4	39,48,52/02;9/03	71275	3	35/02;2,6,16,19,33/03
57260	3	23/03	62250	4	34,38/02;32/03	63100	2	44/02;30/03	71281	7	51/02;34/03
57261	2	23/03	62270	4	37,41/02;29,32/03	63101	15	15,30,40/03	71285	3	34,52/02;13,19/03
57262	4	23/03	62271	5	37,41/02;10/03	63102	19	15,30,40/03	71295	2	34,39,40,52/02;12,19/03
57381	12	52/02;15,16,23/03	62290	3	37,41/02;10,21,P23,26/03	63103	17	15,16/03	71305	2	34,36/02;2,13,23/03
57400	4	12/03	62295	3	21,P23,26/03	63107	17	15,16/03	71311	4	7/03
57408	2	12,24/03	62302	2	4/03	63108	4	40/02;16/03	71313	8	45/02
57420	3	12/03	62310	2	29/03	63111	9	48/02;9/03	71314	5	6,10/03
57460	4	10,12,29/03	62330	2	38,40/02	63119	4	48/02;9/03	71315	2	34/02
57471	3	12,15/03	62340	3	38/02	63120	2	44,48,52/02;8/03	71320	1	35/02;5,14,33,38/03
57472	2	12/03	62343	3	8/03	63121	5	48/02;5,8/03	71325	8	5/03
57480	8	12,15,23,27/03	62350	3	10/03	63200	5	52/02;30/03	71330	13	35/02;5,33,38/03
57482	12	24/03	62355	6	8,29/03	63201	9	40/02;30/03	71331	11	5,7,8,33,38/03
57483	11	24/03	62360	5	38/02;12/03	63205	2	30/03	71332	2	6,7,33/03
57484	19	15,23,24,27/03	62361	2	N38/02;N12/03	63210	3	45,52/02;16,30/03	71335	2	8,38/03
57488	6	24/03	62366	4	33/03*	63220	5	45,52/02	71340	11	40,46/02;2,4,5,6,7,33/03
61000	20	10,15,23,27,31/03	62391	5	33/03*	63230	6	45/02	71343	3	7/03
61020	2	27/03	62393	7	34,37,50/02	63231	8	45/02	71348	3	35/02;7,23/03
61036	8	7/03	62394	10	34,37,50/02	63232	3	45/02	71349	2	23/03
61040	6	10,31/03	62395	3	25/03*	63240	4	19/03	71350	8	5,6,7,14/03
61050	4	10,15,31/03	62400	17	33/02;4,9,31/03	63250	6	40/02;11/03	71400	5	14,23/03
61051	7	15,24/03	62401	9	6,10,41/03	63252	1	33/03	71401	1	40,46,51/02;5/03
61060	5	12,27,39/03	62402	10	10/03*	63271	8	52/02;8/03	71402	1	40,46/02;4,5,6,33/03
61061	9	10,12,15,24/03	62404	3	6/03	63290	7	38/02;10,22/03	71410	1	39/02;12,23/03
61070	4	9,39/03	62405	8	43/03	63291	9	33/02;16/03	71420	1	38,39/02;3,12,14,23/03
61071	9	18,39/03	62406	2	33/02;28/03	63310	5	11/03	71430	3	11*,20,23/03
61080	4	9/03	62408	7	10/03	63320	8	37/03	71440	2	11*,23/03
61090	5	12,27/03	62409	6	7/03	63321	6	42/02;9,37/03	71445	1	7/03
61091	5	12,18,24,27,35/03	62411	1	52/02	63322	2	9/03	71450	1	7/03
61092	13	18,27,35,39/03	62413	12	28/03*	63330	9	39/02;4/03	71455	2	11*,23/03
61100	4	10,12/03	62417	1	52/02	63337	15	39/02;4/03	71460	1	41/02;23/03
61110	3	25/03	62419	6	33/02;8/03	63370	1	20/03	71470	2	38/02;14/03
61111	12	25,27,34/03	62420	5	33,37,39/02;8/03	63400	1	39/02;8,11/03	72000	8	35,47,50/02;2,20,21,23,24,27/03
61112	10	35/03	62429	9	39,43/02	63410	6	39/02;8,9/03	72007	10	36,38,47,51/02;2,5,7,11,27/03
61141	6	38/02;35/03	62431	8	37/02	63413	5	39/02	72014	10	46/02;7,19/03
61142	6	38/02;7,35,39/03	62432	16	13*,30/03	63417	2	39/02	72021	8	36,38,47,50,51/02;7,20,23,27/03
61180	4	38/03	62433	12	34,45/02;1/03	63424	2	45/02	72028	7	34/02;22/03
61190	4	39,41/02	62434	9	40,46,52/02;8,12,17,18,21,23,43/03	71005	1	34/02;2,6,12,13,16,23/03	72035	8	8,21,27/03
61204	5	13/03	62437	10	30*,32,35,37/03	71006	5	39/02;23/03	72045	2	8,27/03
61300	2	7/03	62439	4	1/03	71009	3	39,46,48/02;1,6,7/03	72050	4	23/03
61310	2	33/02;7/03	62440	8	16*,41/03	71012	3	33,39,46/02;1/03	72060	8	50/02
61311	5	33/02	62441	10	36/02	71015	4	23/03			
61312	3	33/02	62442	6	24/03						
61331	4	7/03	62446	3	43/03						
61400	2	7/03	62453	4	16/03*						
61410	2	7/03	62455	7	39,43/02						
61430	2	7/03	62457	6	11/03*						
61433	1	7/03	62459	2	6,41/03						
61434	2	7/03									
61541	8	41/03									

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
72070	4	2,9/03	74186	7	34/02;4,10,17,21,27,30,36/03	74581	9	34,36,40,41,43,45/02;27,31,39/03	76147	1	28/03
72075	2	9/03	74190	7	35,36,37,46/02;1,16,31,34,39/03	74582	9	40/02;17,20,27,31,39/03	76150	6	35/02
72080	7	51/02;2,9/03	74191	2	35,46,48/02;1,7,9,29/03	74583	15	34,40,43,44,48/02;38/03	76160	4	28/03
72085	3	15/03*	74192	3	35,46/02;1,40/03	74584	5	34,41,43,45/02;26,27,36,38,39/03	76161	10	40/02
72094	2	38/02;7/03	74200	8	37,46/02;1,8,32,40/03	74590	2	51/02	76162	1	18,28/03
72100	7	7,19/03	74201	9	32/03	74591	7	40/02;8,38/03	76170	7	28/03
72103	2	4,6,7,19/03	74202	3	1,7,27/03	74592	2	42/03	76180	1	28/03
72105	2	36,38/02;7,11,19/03	74204	5	37/02;1,7,8,32,40,46/03	75000	6	47/02;6,31/03	81004	3	37*,43/03
72107	2	7,19/03	74205	2	27,32,35/03	75001	3	47/02;5,6,31,32/03	81048	8	28,43/03
72109	3	42,44/02	74206	2	34/02;27,32,35/03	75010	7	41,42,50/02	81054	13	14*,27,28/03
72130	4	46/02	74210	7	7,17,37,46/03	75025	9	36,39/02;2,4,8,25,27,36,38,39/03	81060	2	43/03
72131	3	11/03	74220	8	35,47,51/02;30,37,46/03	75035	18	36,39/02;2,6,26,27/03	81067	6	46/03*
72161	10	10/03	74221	2	35,51/02;30,38/03	75051	6	5/03	81076	10	41*,44/03
72181	2	36/02;7,11/03	74229	2	33,37,43,47/02;18,26/03	75110	2	50/02	81092	3	38*,50/02;32/03
72190	2	10/03	74230	7	39,42/02;5,7,36,46/03	75120	2	42/02	81711	6	31/03
72201		8/03	74231	7	35/02;3,21,36/03	75121	2	42/02	81715	4	31/03
72211	6	43/02;5,8/03	74232	9	5,7,21/03	75130	16	34,41,50,51/02;5,7,8,16,19,25,26,37/03	82005	5	17/03
72223	8	27/03	74234	1	8,17/03	75131	7	17,39/03	82010	6	17,39/03
72231	8	21/03	74240	8	34,39,42/02;4,5,7,8,9,41,46/03	75132	11	17,19,25,29,32,35/03	82015	13	39/03
72234	2	18,19/03	74251	8	34,37,42,44,46,51/02;6,9,17,21/03	75134	3	33,51/02;5,19,29,37,45/03	82020	7	39/03
72236	1	9,12/03	74252	9	47/02;5,7,9/03	75142	5	36,42,50/02;35/03	82192	6	43/03
73000	9	40,52/02;10,20,21/03	74253	6	47/02;8,9,16,20,21,30/03	75143	4	33,36,38,42,50/02	82200	2	17,41/03
73002	4	5,11/03	74261	2	38,41,43,47,49/02;7,9,16,21,30/03	75144	3	33,36,42,51/02;4,10,18,25,30,38/03	82210	2	42,48/02
73004	4	10/03	74270	3	38/02;7,38/03	75150	5	50/02;16,19,26/03	82215	2	41/03
73008	8	11,13,23/03	74271	9	38,46/02;19,26,27,29,30,38/03	75160	6	17,18,19,25,32/03	82242	1	35,48,50/02
73012	6	11/03*	74272	7	4,19,29,30/03	75170	12	38,39/02;8,25,38/03	82244	5	35,42,48/02;20,39/03
73014	10	48,52/02	74273	5	38,41,43/02;7,19,27/03	75171	22	33,36,38,40,42,48,52/02;1,6,16,26,35,38,40,44/03	82253	7	35,48,50/02;20,39/03
73016	4	44/02	74281	7	3,30/03	75172	5	39/02	82280		N39/03
73020	9	9,21,22/03	74282	2	46,49/02;27/03	75173	9	33,36/02;1,6,20,26,35,38,40/03	82646	2	33/02
73024	3	39/02	74285	2	34,35,45/02;1,9,16,38/03	75175	9	33,38,40,45,50/02;6,18/03	82649	5	33/02
73030	4	22/03	74286	2	29,35/03	75176	9	42,50/02;25,26,32,40,44/03	82683	4	33/02;17/03
73032	4	9,22/03	74287	2	34,38,52/02;9/03	75177	7	38,48,50,52/02;6,26,38/03	82684	3	33,38/02;7/03
73041	2	5/03	74289	5	9/03	75179	9	33,36,48/02;3,6,26,31,38/03	82689	3	38/02;17/03
73191	3	7/03	74290	11	34,39,45,46,48,49,51/02;1,7,9,10,16,27,30,38/03	75180	2	8,25,38/03	82694	6	38/02;17/03
73271	7	13/03	74292	8	34,38/02;9,27/03	75182	2	47/02;8,36/03	82697	6	38,46/02
73552	4	34,45/02;1,7,9,10,38/03	74293	7	34,45,48/02;9,16/03	75185	2	47/02;25,36/03	83010	6	6/03
73570	7	34,45/02;1,10/03	74294	3	34,45/02	75190	2	47/02;25,36/03	83020	8	24/03
73580	4	52/02;43/03	74295	3	4,9,27,29,35/03	75191	6	37,38,43,47/02;8,19,30,34,36,38/03	83021	1	43/02
73581	4	52/02;3,43/03	74296	4	34,38,49/02;9,27/03	75193	6	49/02;1,5,7,10,16,19,35/03	83023	4	43/02
73590	6	47,52/02;36,43/03	74320	3	35/02;8,18,41,43/03	75207	2	36,52/02;4,16,33,37,43/03	83025	1	12,45/03
73601	3	34,35,47/02;43/03	74340	3	16/03	75208	2	50/02;30,33/03	83026	32	41/02;6/03
73631	4	36,46/02;1,17,40/03	74350	4	16,44/03	75213	2	36,52/02;33,38/03	83039	11	41/02;6/03
73640	5	36/02;16,40/03	74376	5	43/02;9,16,44/03	75215	2	36,39,40,52/02;7,33,38/03	83251	2	2,12/03
73650	5	40/03	74380	4	8,9,26/03	75222	8	35,40/02	83252	8	2,12/03
73653	1	40/03	74391	3	26/03	75240	4	36,39/02;2,4,27,39/03	83253	2	12/03
74000	6	36,47/02;2,7,18,41/03	74392	7	39/02;25/03	75241	6	34,36/02;26,35/03	83397	6	1/03
74002	2	35,47/02;31/03	74393	9	38,41,50/02;3,39/03	75251	5	33,48/02;3,19,37,40/03	83425	6	35/02
74003	5	47/02;7,10,31,34/03	74394	2	41,49,50/02;3,39/03	75261	6	33,36,48/02;3,6,26,31,38/03	83473	7	37/03
74004	2	35,37,39,47/02;9,30/03	74410	3	38/02;7/03	75262	6	38/02;16/03	83484	10	23,42/03
74005	2	34,35,46,47,51/02;4,7,9,16,27,30,38/03	74415	1	39/02	75263	9	5,26,31/03	83574	2	7/03
74007	1	36/02;46/03	74420	3	45/02;19,27,30/03	75264	17	33,34,37,41,42,44,45/02;2,27,32/03	83580	2	8,45/03
74008	6	51/02	74430	2	49/02	75265	2	6,20,31,32,38,40/03	83590	1	45/03
74009	10	38,49/02;8,9,21,36,44/03	74440	3	39/02;2/03	76015	1	35,40/02;28,45/03	91005	6	45,02;19,42/03
74012	10	37,40,49/02;6,8,19,20,27,36,37/03	74445	3	49/02;2,37/03	76030	9	49/02	91008	1	44,48/02;8,10,12/03
74015	10	40/02;21,31,36/03	74455	3	48/02;1,4,38/03	76050	8	49/02;18,28/03	91010	6	48/02;10,12/03
74016	3	27,42/03	74460	4	37,40,46,49/02;6,20,37/03	76052	8	4,5,28/03	91020	5	19,46/03
74017	4	37,45/02;18,31,38/03	74465	2	9,36,38/03	76056	5	49/02	91025	8	46/03
74018	6	44/02	74470	2	8/03	76060	7	40/02	91030	3	42/03
74020	4	33,37,38,43/02;5,18,31,38/03	74475	2	44/02;42/03	76061	3	40/02;9/03	91170	2	38,41,44/02
74021	7	33,35,39,44/02;7,10,26,31,35/03	74480	2	44/02	76070	9	35/02;28,45/03	91280	7	19,43,46/03
74024	7	44/02;36/03	74485	3	43/02	76080	8	1,18/03	91289	19	43/03
74027	9	43,44/02;39/03	74493	3	38,43,45/02	76081	7	28,37/03	91294	8	19/03
74030	6	51/02;42/03	74494	2	41/02;8,9,16/03	76083	3	1,37/03	91297	9	19/03
74051	2	42/03	74510	2	33,35,37/02;5,10,17,18,35,38/03	76120	6	45/03	91300	3	46/03
74053	2	51/02	74515	4	33,35,39/02;4,7,10,31,40/03	76140	7	46/02	91331	3	42/03
74151	9	36,44/02;2,20,29,40,41/03	74517	3	39,41/02;4,31/03	76141	8	46/02;28,37,45/03	91340	3	42/03
74152	11	36,44/02;27,30,34/03	74521	3	41/02	76142	1	46/02;37,45/03	92006	5	45,46/02;5/03
74153	2	36,44/02;2,27,41/03	74530	2	44/02;36/03	76144	1	28/03	92025	3	42/03
74162	4	36,46,47/02;8/03	74535	3	40/02;18,32/03	76146	1	28,45/03	92030	4	42/03
74171	4	33,36,47/02;3,10,18,20,40/03	74545	4	5,32/03				92033	5	45/02
74172	5	36,47/02;7,10,18,40/03	74555	3	34,43,44,48,51/02;5/03				92150	3	43/03
74181	8	33,35,37,38,39,47/02;10,34/03	74560	10	40,43,46,48,50/02;4,5,18,31,32/03				92160	3	43/03
74182	12	33,35,37,38,39,41,42,44,51/02;6,10,17,25,34,38,39,40,41,42/03	74561	2	5/03				92170	3	43/03
74183	11	38,39,42/02;4,6,17,25,38/03							92290	2	19/03
74184	10	33,35,37,38,46,48/02;17,34/03							92296	3	19/03
									92410	3	42/03
									92450	3	42/03
									92560	4	45/02
									93006	2	39,45/02;4,8,10,43,44/03
									93010	6	38,40,41/02;2,13,14,18,24/03
									93018	8	1,14,18,24/03
									93020	2	38/02;4,13/03
									93025	5	45/02;45/03
									93030	6	45/02
									93032	3	45/02;24/03
									93043	1	45/02

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
93046	1	45/02:5/03	94203	10	41,42,44,46,47,52/02;10,11,24,41,42/03	95146	14	36,38,39,40,41,44,46,47,48,50,52/02;1,8,9,16,21,23,24,31,32,35,37/03	96660	4	36/03
93047	2	45,49/02:24/03	94206	3	41,42,44,47,52/02;11,19,44/03	95147	13	39,41,44,45,46,47,48,49/02;1,5,9,19,23,25,28,29,31,32,35,36/03	96760	4	35,45/02
93048	1	35,49/02:5,14,33/03	94207	5	N42,N44,N47,N52/02;N11,N19/03	95149	9	34,36,37,38,41,43,48,49,52/02;8,9,19,24,25,27,30,32,35/03	96762	3	17/03
93049	1	45/02:4/03	94208	6	N44/02	95151	17	34,36,37,38,40,47,50/02;1,5,19,23,28,29,30,37/03	96763	7	43,48/02;9,17,32,45/03
93061	4	45/02	94216	6	45/02;10,17,42,44/03	95152	5	37,38/02;6,9,19,28,30,31,32,35/03	96764	3	34/03*
93101	2	N34,N38/02;N2/03	94217	4	6/03	95153	2	34,36,37,38,43/02;19,25,32/03	96800	4	41/02
93110	2	38,40,41/02;1,2/03	94218	3	36/02;6,18/03	95160	13	41,42,47,52/02;1,6,8,9,11,17,19,21,24,25,27,33,36,40/03	96901	3	7/03
93115	2	40,41/02	94219	1	47/02;46/03	95161	16	40,45,48,50/02;1,5,6,8,9,10,17,19,23,25,27,30,37/03	96902	2	45/02
93117	2	40,41/02	94220	4	41,42,47,49/02;8,10,11,17,18,33,42,44/03	95167	10	44/02;1,6,9,11,14,17,21/03	96903	3	34/03*
93160	4	34/02:1,14,24/03	94260	5	49/02;1,6,11,31/03	95169	2	44,50,52/02;11,16,23/03	96910	1	10/03
93180	7	34/02	94280	5	51/02:15,32/03	95171	1	1,6,9,21,37/03	96937	2	40/02
93220	6	34/02	94281	6	6,42/03	95172	1	1,9,21,32/03	96938	4	4/03
93240	11	34/02;16,24/03	94282	9	46/02;8/03	95173	1	50,52/02;1,28/03	96939	3	4,7,9,22/03
93241	9	8,16,25/03	94283	7	46/02;2,8,12,32/03	95174	1	50,52/02;12,27/03	96941	8	47/02
93243	6	42/02	94290	2	1,7,31/03	95176	2	8,11,30,35/03	96943	15	44/02;1,9,10,12,20,22,23,33,42/03
93244	7	16/03	94322	14	8/03	95177	1	41,50/02;9/03	96944	6	45,52/02;6,13,20/03
93245	6	16,24/03	94360	6	43/02;6,13/03	95180	11	40,42,44,49/02;1,6,9,10,21,23/03	96945	3	43,52/02;20,22,23,42/03
93260	8	7,18/03	94361	13	13,15/03	95185	2	40,44,49/02;10,35/03	96947	15	6,12,13/03
93261	5	7/03	94363	4	43/02;16,18,29/03	95200	6	23/03	96948	8	21,22/03
93280	4	18/03	94380	4	N5,N6,N18/03	95206	4	44/02;1,6,16,20,22,36/03	96949	21	45/02;22/03
93360	5	38/02	94384	3	5/03	95252	2	44/02;1,7,13/03	96960	3	7/03
93520	13	45/02:15/03	94420	3	39/02;4,8,11,13,14,23,42,44/03	95258	3	6,16,18/03	96962	4	35/02;1,9,22,33/03
93610	3	44,45/02;6/03	94421	10	45/02:4/03	95261	7	48/02;1,5,9,16,23,28,36/03	97000	3	17,40/03
93650	2	44/02:6,24,28/03	94423	12	45/02:11/03	95262	13	41,46/02;1,6,9,27,36/03	97021	7	40/03
93652	2	3,6,24/03	94440	2	46/02:18/03	95264	8	48/02;25/03	97029	3	40/03
93680	3	45,47/02:24/03	95016	8	40/02	95267	5	13,20,23,26,36/03	97040	5	43,47/02
93690	2	44/02:6,45/03	95040	8	40/02;11/03	95268	16	39,48/02;6,9,13/03	97041	9	45,47/02;10,12,22/03
93698	3	45/02:28/03	95041	7	23/03	95270	4	48/02;9,10,13,20,21,22,23,26,36/03	97042	7	14,20/03
93710	3	6,15,43/03	95060	13	40,43,44,47,48,52/02;1,6,11,14,17,19,21,23,29,31,33/03	95271	4	44,48/02;9,10,12,13,20,26,36/03	97043	2	14,20/03
93720	10	39,45,50/02;8,15,17,20,24,28,42,43,44/03	95065	5	48/02;10,31/03	95273	2	48/02	97060	8	46/02;12,14,22,26/03
93721	5	39,42,45,50/02;4,11,17,20,23,25,40,41,43,44,45,46/03	95066	11	41,43,44,47,48,49,50/02;1,5,6,17,19,21,23,25,27,31,32,33,37/03	95274	3	48/02;23,28,36,43/03	97061	3	52/02
93725	6	45/02:24/03	95067	13	41,44,46/02;1,5,10,17,23,28,37/03	95280	9	48/02;8,20,26/03	97062	12	44/02;6,10,22,26,34,35/03
93726	4	48/02:8,12,17,45/03	95068	1	41,42,45,47/02;12,14,17,25,28,29,37/03	95281	15	7,10,14,36,45/03	97064	2	6,14,33,45/03
93730	3	39,40,42,45,47,50/02:2,4,17,24,28,31,41,42,43,46/03	95080	13	33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21,24,25,27,28,30,31,32/03	95282	7	46,52/02;4,6,9,19,20,22,23/03	97080	5	16,22,26/03
93733	13	39,45/02;4,19,20,25,40,41,44,45/03	95082	9	33,44,46/02;1,4,7,11,17,25,27,28,30/03	95285	5	18,20/03	97082	5	46/02;16,34/03
93734	11	45/02:4,19,20,25,40/03	95083	8	33/02;1,4,19,28/03	95300	5	45,48,52/02;44/03	97083	3	29,34,35/03
93736	22	41/02:4,20,25,40,41,45,46/03	95084	7	50,52/02;8,12,17/03	95320	15	35,38/02;20,21,26,33,40/03	97100	4	42,47/02;16,17,26/03
93778	8	47/02:7/03	95085	4	45,52/02;1,6,11,12,27,33/03	95341	8	42,47/02;1,10,40,44/03	97101	1	21,25,26/03
94004	6	33,37,44,52/02;8,9,10,12,17,18,42/03	95086	5	45,52/02;1,6,8,11,12,23,27,31,33/03	95342	16	9,13,16,20/03	97103	3	41/03
94016	2	33,35,52/02;3,9,10,14,17,21,33/03	95087	3	33,40,48/02;1,8,30,31/03	96004	14	44,45/02	97108	3	21,25,26/03
94028	7	40,42,52/02;1,6,7,8,9,11,14,17,21,24,27,31,33,40/03	95100	12	38,39,43,44,45,46,47,50,52/02;1,4,6,7,8,9,10,17,23,25,27,28,29,31,37/03	96032	4	41/02	97110	6	37,40,42,43/02;9,14,16,17,25,40,44,45/03
94033	5	19,21,23,29,42,44/03	95101	8	39,44,50/02;1,5,6,9,14,17,28,31/03	96036	2	36/03	97114	5	40,46/02;8,13,20/03
94040	13	37,47,51/02;6,8,10,17,18,28,31,43/03	95102	8	38,42,45,46,47,48,50,52/02;1,4,5,8,13,14,17,23,25,27/03	96039	7	23,44/03	97143	11	43,45/02;9,13,20,25,26,44/03
94042	9	47,51/02;7,18,24,43,45/03	95103	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	96041	11	39,44,45/03	97144	14	44* 46/02;7,8,9,13,20,39,44/03
94060	10	33,37,46,47/02;7,8,10,12,14,15,18,24,31,42/03	95120	7	42,43,52/02;1,4,14,21,26/03	96042	11	10,21,39,40,44,45/03	97145	1	43/02;8,9,25,40,45/03
94061	5	33,35,47/02;23,41,42/03	95138	8	45,46,48,49,50,52/02;8,16,17,19,23,24,25,27,28,30,35,36/03	96044	10	23,38/03	97146	10	44/02* 15,39/03
94063	4	33,41/02;8,18/03	95140	15	38,40,41,44,48,49,52/02;1,7,8,9,10,17,21,24,25,27,29,33,35,37/03	96120	6	21/03	97148	9	45/02;9,27/03
94067	10	33/02;10,11/03	95141	8	45,47,50,52/02;1,6,7,8,17,19,21,23,25,29,37/03	96340	4	45/03	97149	20	34,35,44,45/02;1,16,25/03
94080	7	33,44,48/02;10,19,22,32/03	95142	9	50,52/02;8,10,19,23,29/03	96379	1	10/03	97150	13	34,39,43,44/02;20,27,42/03
94082	8	44/02:8,19,22/03	95143	11	40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19,23,24,25,27,28,30,36/03	96381	2	10/03	97151	16	35,44,45/02;12,13,14,16,20,25/03
94083	12	44/02	95144	9	38,41,46,48,50,52/02;1,6,8,9,10,11,13,16,21,23,24,35,37/03	96382	2	10,12,21/03	97152	8	37/02;20/03
94120	6	33,38,48,52/02;9,10,17,18,21/03				96400	4	12/03	97153	7	16,20/03
94122	7	40/02:35/03				96441	1	41/02;10/03	97154	2	36/02
94123	9	33,38,42,44,52/02;9,10,15,17,18,28/03				96480	3	41/02	97155	14	35,36,37,39,40,48/02;12,13,18,20,28/03
94124	13	38,42,44/02;10,15,17,25,28/03				96500	6	41/02;10,39/03	97156	6	37/02;1,14/03
94127	2	33,38/02;6,9,13,16,18/03				96520	7	10/03	97157	2	40/03*
94160	7	33,38,44,46,47,50,51,52/02;9,10,12,16,17,18,19,28,31,41,42/03				96521	3	21/03	97158	4	25/03
94164	2	46,50,51/02;12,16,19,41,42,43/03				96540	5	10/03	97159	6	33,39/02;7,14,16,44,46/03
94165	4	50/02:18,24,43/03				96560	5	10/03	97163	14	14,36/03
94180	9	42,44,47,50,51/02;23,28,44/03				96580	3	10/03	97164	1	7,14,16/03
94184	2	N51/02				96620	3	38/03	97165	1	7,16/03
94187	3	14,23,36,45,46/03				96621	5	10,38/03	97166	1	33/02;21,46/03
94188	2	44,46,47,51/02;8,28/03							97167	2	33/02;21/03
94201	1	51/02:24,28/03							97180	6	34,39,43,45,46,48/02;4,8,13,20,22,26,44/03

## SECTION I

NM 46/03

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 46/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97184	15	47/02;1,7,12,14,18,22,39,44/03	97340	8	33,38,52/02;16,17,18,22,36,46/03
97185	2	43/02;1,7,46/03	97341	9	34/02;16,21/03
97187	3	44,48/02;9,18/03	97342	14	38/02;17,18,22,27,43/03
97188	2	1,7,13,17,20,22,27,35/03	97343	12	38/02;17,25/03
97189	2	44/02;9,14,18,22,39,43/03	97360	6	38/02;5,7,13,18,27,43,45/03
97190	2	34,39,52/02;8,13/03	97380	7	39,47,52/02;1,2,8,16,23,38,40,45/03
97200	9	52/02;8,16,17,22,25,26,29/03	97381	7	7,13,27,43,45/03
97201	7	18,28/03	97382	2	41,45/02;4,42/03
97202	15	43,44,52/02;20,25/03	97383	16	5,7,13,42,46/03
97204	9	45,52/02;4,6,10,19,20,25,33,43,45/03	97384	4	47/02;19/03
97205	3	18,28/03	97385	10	52/02;5,6,7,9,46/03
97206	2	23/03	97387	2	4,5,7,42,46/03
97218	3	41/02;6,33/03	97389	2	45/03*
97219	4	6,9,13,20,23,25/03	97390	5	39,40/02;2,5,12,16,36/03
97220	3	37,39,42,43,44/02;6,8,9,17,18,23,29,33,46/03	97391	26	6,7,12,16/03
97221	20	37,39,42,44,45,49,52/02;6,8,9,10,13,17,18,19,20,22,23,25,26,29,33,46/03	97392	5	1,21,23,26,33,38/03
97222	12	47/02;10,22,29/03	97396	14	36,39,40/02;2,16,17,23,33,38/03
97223	3	42,44,48/02;16,17,22,23,46/03	97397	7	39,49/02;16,26,44/03
97224	6	46,47,49/02;45/03	97398	4	43/03*
97225	31	37,39,42,44,45/02;6,8,9,10,17,18,19,23,25,33,45,46/03	97400	4	34*,44/03
97226	7	18,41/03	97410	8	17,19,45/03
97227	11	42,43/02;9,18,30,34/03	97412	7	40/02
97228	15	39,40,42,43/02;5,6,9,15,17,18,20,21,22,27,29,35/03	97420	17	34,39,42,47,52/02;1,8,10,33,38,40,45/03
97229	12	36,39,47/02;6,8,9,18,28,33/03	97421	13	35,36/02;1,10,13,20,26,36/03
97230	18	36,52/02;6,9,28,33/03	97423	2	35,36/02;1,13,20,26,36/03
97231	11	41/02;6,23,33/03	97425	6	34,39,47,52/02;1,6,8,10,45/03
97232	8	22,25,33/03	97440	8	52/02;1,16,19,27,43/03
97233	11	33,43,44,49/02;1,5,6,9,15,16,23,33,35/03	97441	5	46/02
97234	17	43,47,49/02;1,6,8,9,16,41/03	97443	6	15,19,25/03
97236	20	47/02;9,16,23,35,41/03	97460	7	40/02;5,19,21/03
97237	6	41/03	97461	9	5,8,19,21,22,23,26/03
97239	10	33/02;1,5,9,16,23/03	97465	9	1,6,8,19,20,22,33,37/03
97241	6	10/03	97466	2	46/02;1,23,27/03
97243	8	33,48/02;1,5,6,21,27,33/03	97469	10	1,6,8,19,20,22,33,37/03
97244	5	9/03	97471	5	N22,N33/03
97245	11	36/02;1,5,9,29/03	97472	8	34/02;33/03
97246	7	43,52/02;5/03	97474	7	22/03
97251	4	6,10,17,36/03	97480	7	35,52/02;3,9,10,17,18,21/03
97261	15	41/02;1,5,7,18,21,26,44/03	97481	6	47,49/02;9,18,20/03
97262	10	34/02;1,5,6,7,15,21,26,33,46/03	97483	7	48,52/02;20/03
97263	10	5,7,9,15,18,21,46/03	97521	6	42/02;16,18,20/03
97266	5	37,41/02;1,5,6,7,14,15,18,26,42/03	97564	3	16/03
97267	16	40,41/02;1,5,6,8,10,13,18,26,27,42/03	800744	1	N49/02;N5,N12,N13,N16,N36/03
97268	10	6/03	801217	1	N6,N8,N19,N20,N22,N33,N37/03
97269	11	45/02;8,13,18,27/03	801885	3	N34/03
97270	6	36,44/02;1,5/03	801902	9	N25,N31/03
97271	12	37,39/02;6,10,12,26,35,41,44/03	801953	1	N39/03
97272	11	52/02;6,10,12,14,23,37/03	802202	8	N35/02;N1,N7/03
97273	11	34/03*	804059	2	N43/03
97274	19	34,39,45/02;6,9,15,17,18,23,37/03	804567	4	N31/03
97276	1	40/02;9/03	805118	3	N12,N36/03
97277	11	1,5,6,8,9,14,35,39/03	805647	2	N37,N51/02;N30/03
97278	11	39/02;1,20,35,39/03	806927	8	N25,N30,N39/03
97279	9	9,27/03	807370	5	N17,N25,N30,N31,N39/03
97280	4	52/02	807861	2	N22/03
97281	2	41/02	808365	2	N14/03
97283	3	45/02;9/03	809055	7	N16/03
97285	6	34,42/02;7,13,17,36/03	809310	9	N39/02
97286	6	34,35,36,41,42/02;6,8,10,13,17,35,36,38/03	809679	2	N50/02;N12,N27/03
97287	5	34/02;20/03			
97300	6	1,13,25,26/03			
97303	3	47,48/02;45/03			
97320	6	33/02;14,25,46/03			

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
REGION 1							
11AHA11327 (7642014010125)	Upper Galveston Bay	25,000	<u>31</u>	<u>8/03</u>	NOS	1-94	46/03
12XHA12352 (7642014010383)	Shinnecock Bay to East Rockaway Inlet (Not shown on index)	40,000	<u>30</u>	<u>9/03</u>	NOS	1-95	46/03
14XHA14842 (7642014010663)	SMALL-CRAFT BOOK CHART South Shore of Lake Erie from Port Clinton to Sandusky (book of 35 charts)	Various	<u>13</u>	<u>7/03</u>	NOS	1-96	46/03
14XHA14983 (7642014010715)	Northern Light Lake	42,240	<u>9</u>	<u>8/03</u>	NOS	1-96	46/03
14XHA14986 (7642014010716)	Knife Lake	42,240	<u>9</u>	<u>8/03</u>	NOS	1-96	46/03
16ACO16420 (7642014011239)	<u>Buldir Island to Attu Island (LORAN-C)</u>	300,000	<u>10</u>	<u>8/03</u>	NOS	1-66,97	46/03
16BCO16608 (7642014011289)	Cape Douglas to Cape Nukshak (LORAN-C)	80,000	<u>4</u>	<u>8/03</u>	NOS	1-97	46/03
17BHA17327 (7642014011401)	<u>Sitka Harbor</u> Inset: <u>Sitka Harbor</u>	10,000 5,000	<u>21</u>	<u>8/03</u>	NOS	1-72,97	46/03
18XCO18740 (7642014011605)	San Diego to Santa Rosa Island (LORAN-C)	234,270	<u>40</u>	<u>8/03</u>	NOS	1-99	46/03
REGION 8							
81AHA81067 (7642014013796)	<u>Saipan and Tinian</u>	75,000	<u>6</u>	<u>8/03</u>	NOS	8-4,22	46/03
MISCELLANEOUS CHARTS AND PUBLICATIONS							
CDPUBSD143 (7644014665875)	<u>West Coast of Europe and Northwest Africa (Enroute), 2003</u>				GPO	10-19, 38	46/03
LLPUB113 (7642014007535)	<u>The West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), 2003</u>				GPO	10-22	46/03

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

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DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
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**PUB 195            7 Ed 2002            LAST NM 43/03**

Page 23—Line 10/L; read:  
well-protected from all winds.

It is reported (2003) that a designated outer anchorage area is centered about 1.4 miles NNW of Helsinki Light (59°57'N., 24°56'E.).

(Fin NM 19/03) 46/03

Page 27—Line 11/L; read:  
specify the right-of-way in narrow channels.

The VTS area is bordered by a line joining the following approximate positions:

1. 60°16'N, 25°43'E. (shore).
2. 60°05'N, 25°43'E.
3. 60°05'N, 26°33'E.
4. 60°12'N, 26°50'E.
5. 60°12'N, 27°18'E.
6. 60°14'N, 27°28'E.
7. 60°23'N, 27°42'E.
8. 60°27'N, 27°40'E.
9. 60°33'N, 27°48'E. (shore).

Kotka VTS Reporting Points (RP) are, as follows:

1. RP No. 6—Varlaxudden, Emsalo (60°11.7'N., 25°40.0'E.).
2. RP No. 10—Tiiskeri (60°05.0'N., 26°20.0'E.).
3. RP No. 11—Veitkari (60°12.6'N., 27°21.9'E.).
4. RP No. 12—Santio (60°26.5'N., 27°43.0'E.).

(BA NP 286) 46/03

Page 27—Line 26/L; read:  
of the island.

It is reported (2003) that designated outer anchorage areas are centered about 2 miles and 6 miles E of Tiiskeri Light (60°10'N., 26°16'E.).

(Fin NM 19/03) 46/03

**COAST PILOT CORRECTIONS****COAST PILOT 1            33 Ed 2003            Change No. 19  
LAST NM 42/03**

Page 74—Paragraph 500, line 2; read:  
open on signal after a 24 hour advance notice is given.

(3) From midnight to 8 a.m., April, May, October, and November, the draw shall open on signal after at least an eight-hour advance notice is given.

(FR 10/14/03) 46/03

Page 74—Paragraph 508; read:

The draw of the William T. Morrissey Boulevard Bridge, mile 0.0, at Boston, shall operate as follows:

(a) From 7:30 a.m. to 9 a.m. and 4:30 p.m. to 6 p.m., Monday through Friday, except holidays, the draw need not open for the passage of vessel traffic.

(b) The draw shall open on signal from April 16 through May 31, from 8 a.m. through midnight, except as provided in paragraph (a) of this section. From midnight through 8 a.m. at least an eight-hour advance notice is required for bridge openings.

(c) The draw shall open on signal at all times from June 1 through September 30, except as provided in paragraph (a) of this section.

(d) The draw shall open on signal from October 1 through October 14, 8 a.m. through midnight except as provided in paragraph (a) of this section. From midnight through 8 a.m. at least an eight-hour advance notice is required for bridge openings.

(e) The draw shall open on signal from October 15 through April 15, after at least a 24 hours notice is given, except as provided in paragraph (a) of this section.

(FR 10/14/03) 46/03

Page 75—Paragraph 537; read:

(b) The draw of the General Edwards SR1A Bridge, mile 1.7, between Revere and Lynn, shall open on signal; except that, from April 1 through November 30, from midnight through 8 a.m. at least an eight-hour advance notice is required for bridge openings, and at all times from December 1 through March 31, at least an eight-hour advance notice is required for bridge openings.

(FR 10/14/03) 46/03

**COAST PILOT 3            36 Ed 2003            Change No. 18  
LAST NM 44/03**

Page 76—Paragraphs 750 to 752; read:

(1) Shall open on signal at any time for commercial vessels carrying liquefied flammable gas or other hazardous materials.

(2) From 6:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 5:30 p.m., Monday through Friday, except Federal holidays:

(i) Need not open for the passage of recreational or commercial vessels that do not qualify under paragraph (b)(2)(ii) of this section.

(FR 10/16/03) 46/03

Page 76—Paragraphs 757 to 759; read:

(1) Shall open on signal at any time for commercial vessels carrying liquefied flammable gas or other hazardous materials.

(2) From 6:30 a.m. to 8:30 a.m. and from 3:30 p.m. to 5:30 p.m., Monday through Friday, except Federal holidays:

(i) Need not open for the passage of recreational or commercial vessels that do not qualify under paragraph (d)(2)(ii) of this section.

(FR 10/16/03) 46/03

Page 76—Paragraphs 763 to 765; read:

(f) The draw of the Dominion Boulevard (US 17) bridge, mile 8.8 in Chesapeake:

(1) Shall open on signal at any time for commercial vessels carrying liquefied flammable gas or other hazardous materials.

(2) From 6:30 a.m. to 8:30 a.m. and from 4 p.m. to 6 p.m., Monday through Friday, except Federal holidays:

(i) Need not open for the passage of recreational or commercial vessels that do not qualify under paragraph (f)(2)(ii) of this section.

(ii) Need not open for commercial cargo vessels,

**COAST PILOT 3 (Continued)**

including tugs, and tugs with tows, unless 2 hours advance notice has been given to the Dominion Boulevard bridge at (757) 547-0521.

(3) From Memorial Day to Labor Day, from 8:30 a.m. to 4 p.m., Monday through Friday, except Federal holidays, the draw need be opened only every hour on the half-hour.

(4) If any vessel is approaching the bridge and cannot reach the draw exactly on the half hour, the drawtender may delay the opening up to ten minutes past the half hour for the passage of the approaching vessel and any other vessels that are waiting to pass.

(5) Shall open on signal at all other times.  
(FR 10/16/03) 46/03

Page 76—Paragraph 768; read:

(i) The draw of the Centerville Turnpike (SR170) bridge across the Albemarle and Chesapeake Canal, mile 15.2, at Chesapeake:

(1) Shall open on signal at any time for commercial vessels carrying liquefied flammable gas or other hazardous materials.

(2) From 6:30 a.m. to 8:30 a.m. and from 4 p.m. to 6 p.m., Monday through Friday, except Federal holidays:

(i) Need not open for the passage of recreational or commercial vessels that do not qualify under paragraph (i)(2)(ii) of this section.

(ii) Need not open for commercial cargo vessels, including tugs, and tugs with tows, unless 2 hours advance notice has been given to the Centerville Turnpike bridge at (757) 547-3632.

(3) From 8:30 a.m. to 4 p.m., Monday through Friday, except Federal holidays, the draw need only be opened on the hour and half hour.

(4) If any vessel is approaching the bridge and cannot reach the draw exactly on the hour or half hour, the drawtender may delay the opening ten minutes past the hour or half hour for the passage of the approaching vessel and any other vessels that are waiting to pass.

(5) Shall open on signal at all other times.  
(FR 10/16/03) 46/03

Page 191—Paragraph 91, line 7; read:

for drawbridge regulations.) In 2002, a replacement fixed highway bridge with a least clearance of 15 feet was under construction. The overhead power cable ...

(CL 2385/02; 37/02 CG5) 46/03

Page 315—Paragraph 69, line 6; read:

midchannel) for about 1 mile, thence 1.8 feet (3.0 feet ...

(37/03 CG5; LL/03) 46/03

Page 340—Paragraph 187, line 4; read:

mile outside the entrance to Tred Avon River. A Coast Guard station is about 1.5 miles NNE of the light.

(CL 587/03) 46/03

**COAST PILOT 4                    35 Ed 2003                    Change No. 16  
LAST NM 44/03**

Page 172—Paragraph 2754; read:

(6) In the interest of National Security, Commanding Officer, U.S. Naval Weapons Station, Charleston, SC, may at his/her discretion, restrict passage of persons, watercraft and vessels in the areas described in paragraphs (a)(7), (a)(8) and (a)(11) of this section until such time as he/she determines such restriction may be terminated.

(CL 1611/03; FR 10/6/03) 46/03

Page 349—Paragraph 93, line 1; read:

**Charts 11505, 11512**  
**Savannah River**, the boundary between the States ...  
(NOS 11505) 46/03

Page 438—Paragraph 40, line 1; read:

**Charts 11462, 11465, 11463, 11464, 11451**  
Bowles Bank Anchorage, 6.5 miles south-south-westward  
...  
(NOS 11464) 46/03

Page 492—Paragraph 607, line 1; read:

**Charts 11463, 11464, 11451**  
The **Homestead Bay Front Park Marina** at the ...  
(NOS 11464) 46/03

Page 493—Paragraph 620, line 1; read:

**Charts 11464, 11451**  
The waterway follows an east-to-west course across ...  
(NOS 11464) 46/03

**COAST PILOT 6                    33 Ed 2003                    Change No. 19  
LAST NM 42/03**

Page 255—Paragraph 543, line 3; read:  
are marked at the outer ends by lights. Facilities ...  
(LL/03) 46/03

Page 369—Paragraph 335, line 7; read:

E shoal is marked by a light. Lighted and unlighted seasonal buoys mark the channel ...  
(LL/03; 24/03 CG9) 46/03

Page 413—Paragraph 647, lines 4 to 5; read:

craft should avoid the rock awash 50 yards off the mouth of Barnes Creek. The rock is about 2.2 miles N of Winthrop Harbor in about 42°31'24"N., 87°48'30"W.; mariners are advised to pass well offshore of this obstruction.  
(CL 1520/03; NOS 14904) 46/03

## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8835	- Buoy 9A						<i>Remove from list.</i>
							* 46/03
8840	- Buoy 11						<i>Remove from list.</i>
							* 46/03
28123	- CHANNEL LIGHT 35		FIG 2.5s	15	4	SG on pile.	
	*		*		*	*	46/03
28140	- Channel Buoy 40						<i>Remove from list.</i>
							* 46/03
32430	West Bluff Daybeacon 1						<i>Remove from list.</i>
							* 46/03
32435	West Bluff Bay Daybeacon 2						<i>Remove from list.</i>
							* 46/03
32455	Lower Middle Ground Obstruction Daybeacon NE						<i>Remove from list.</i>
							* 46/03
32465	Lower Middle Ground Obstruction Daybeacon SW						<i>Remove from list.</i>
							* 46/03
<b>Rose Bay</b>							
32735	DEEP COVE LIGHT 1	35 19 49 N 76 23 37 W	FIG 2.5s	15	4	SG on pile.	
						*	46/03
<b>Belhaven Channel</b>							
32930	- LIGHT 1BC	35 31 12 N 76 36 06 W	FIG 2.5s	15	4	SG on pile.	
		*				*	46/03
33055 38035	- CHANNEL LIGHT 25	35 33 08 N 76 27 25 W	FIG 4s	15	4	SG-TY on pile.	
						*	46/03
33245	GAYLORD BAY FERRY TERMINAL CHANNEL LIGHT 1		FIG 2.5s	15	3	SG on pile.	Ra ref.
							* 46/03
38035 33055	- CHANNEL LIGHT 25	35 33 08 N 76 27 25 W	FIG 4s	15	4	SG-TY on pile.	
						*	46/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
39465	- LIGHT 71		FI G 4s	15	4	SG-SY on pile.	
			*				46/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1780	- Lighted Buoy		Q R		3	Red.	
	*			*	*	*	46/03
	*Add Heading: *Anclote Village Marina Channel						
*26233.1	- Daybeacon 1					SG on pile.	Private aid.
							46/03
*26233.11	- Daybeacon 12					TR on pile.	Private aid.
							46/03
*26233.2	- Daybeacon 2					TR on pile.	Private aid.
							46/03
*26233.3	- Daybeacon 3					SG on pile.	Private aid.
							46/03
*26233.4	- Daybeacon 4					TR on pile.	Private aid.
							46/03
*26233.5	- Daybeacon 5					SG on pile.	Private aid.
							46/03
*26233.6	- Daybeacon 6					TR on pile.	Private aid.
							46/03
*26233.7	- Daybeacon 7					SG on pile.	Private aid.
							46/03
*26233.8	- Daybeacon 8					TR on pile.	Private aid.
							46/03
*26233.9	- Daybeacon 10					TR on pile.	Private aid.
							46/03
	*Add Heading: *Anclote River						
26235	- Daybeacon 20					TR on pile.	
							46/03
*46342	- Buoy 6					Red nun.	Private aid.
							46/03

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
46885	- Daybeacon 16						<i>Remove from list.</i>
							* 46/03
*57359.11	- Daybeacon 18					TR on pile.	Private aid.
							46/03
*57359.12	- Daybeacon 20					TR on pile.	Private aid.
							46/03
*57359.13	- Daybeacon 22					TR on pile.	Private aid.
							46/03
*57359.8	- Daybeacon 14					TR on pile.	Private aid.
							46/03
*57359.9	- Daybeacon 16					TR on pile.	Private aid.
							46/03
*58870.1	- Channel Daybeacon 5A					SG on pile.	Private aid.
							46/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*978	<i>Gryphon-104-1 Lighted Buoy</i> Marks subsea installation.	28 29 05 N 93 16 19 W	<b>Q R</b>	10		Red.	SIGN: Gryphon-WC-489-1. Private light.
							46/03
4380	- Buoy 8	30 23 49 N 87 14 11 W				Red nun.	
		*					46/03
5340	- LIGHT 60 200 feet outside channel limit.	30 31 21 N 88 01 15 W	<b>Oc R 4s</b>	17	4	TR on pile.	Ra ref.
		*					46/03
6666	- LIGHT 13	30 17 52 N 88 18 26 W	<b>FIG 2.5s</b>	17	3	SG on pile.	Ra ref.
		*					46/03
7855	BILOXI COMMERCIAL DOCKING FACILITY EAST ENTRANCE LIGHT	30 23 30 N 88 53 12 W	<b>FIR 2.5s</b>	13		TR on bulkhead.	Private aid.
	*						46/03
7860	BILOXI COMMERCIAL DOCKING FACILITY WEST ENTRANCE LIGHT	30 23 30 N 88 53 12 W	<b>FIG 2.5s</b>	13		SG on bulkhead.	Private aid.
	*						46/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9079	SQUARE HANKERCHIEF SHOAL LIGHT "SH"	30 15 49 N 89 19 37 W	FI (2+1) G 6s	17	3	JG on pile.	
	*						46/03
9079.05	SQUARE HANDKERCHIEF SHOAL LIGHT 2	30 16 02 N 89 18 56 W	FI R 2.5s	17	4	TR on pile.	
	*						46/03
12620	CYPRESS RANGE REAR LIGHT 129 yards, 166.8° from front light.		Iso W 6s	42		KRW on skeleton tower on piles.	Visible 4° each side rangeline.
	*						46/03
12665	- ENTRANCE WEST RANGE FRONT LIGHT	28 54 36 N 89 25 54 W	Q G	21		NR on dolphin.	Visible 4° each side of rangeline.
			*	*		*	46/03
13427	Belle Chasse Anchorage Lower Daybeacon 73.1	29 49 12 N 90 00 18 W				NY on pile.	Ra ref.
	*						46/03
13432	Belle Chasse Anchorage Upper Daybeacon 75.2	29 50 42 N 89 59 18 W				NY on pile.	Ra ref.
	*						46/03
17699	Bayou La Loutre Riprap Danger Daybeacon	29 22 30 N 90 57 24 W		7		NW on pile worded DANGER PROCEED WITH CAUTION.	Marks Riprap. Private aid.
	*						46/03
20475	- Lighted Buoy 7	29 30 53 N 93 13 35 W	FI G 4s		5	Green.	
		*					46/03
22980	- LIGHT 43 235 feet outside channel limit.	29 27 26 N 94 50 56 W	FI G 4s	17	4	SG on pile.	Ra ref.
		*					46/03
28160	- Entrance Channel Lighted Gong Buoy 3	26 03 53 N 97 08 29 W	Q G		4	Green.	
		*					46/03
29020	- Buoy 7	29 41 29 N 84 58 27 W				Green can with yellow square.	
		*					46/03
31610	- Buoy 3	30 20 04 N 87 18 49 W				Green can with yellow square.	
		*					46/03
31615	- Buoy 4	30 20 07 N 87 18 50 W				Red nun with yellow triangle.	
		*					46/03

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Crims Island</b>							
10675	- DIKE LIGHT 2	46 10 44 N 123 07 30 W	FIR 6s	12	4	TR on dolphin.	
		*					46/03
10685	- DIKE LIGHT 6	46 10 18 N 123 06 33 W	FIR 4s	12	4	TR on pile.	
		*				*	46/03
<b>Fisher Island</b>							
10715	CLEAVELAND LIGHT 3	46 10 40 N 123 06 06 W	FIG 4s	12	4	SG on pile.	
		*				*	46/03
10725	- LIGHT 7	46 09 34 N 123 03 46 W	FIG 4s	13	6	SG on dolphin.	
		*					46/03
10730	- LIGHT 9	46 09 26 N 123 03 20 W	FIG 2.5s	15	4	SG on dolphin.	
		*					46/03
10740	SLOUGH LIGHT 4	46 09 26 N 123 02 41 W	FIR 4s	15	4	TR on dolphin.	
		*					46/03
<b>Longview</b>							
10745	WALKER ISLAND LIGHT 12	46 08 52 N 123 02 41 W	QR	15	5	TR on pile structure.	
		*					46/03
10770	LORD ISLAND LIGHT 20	46 07 37 N 123 00 00 W	FIR 4s	25	4	TR on platform.	Higher intensity beam up and down channel.
		*					46/03
<b>Cottonwood Island</b>							
10840	- DIKE LIGHT 29A	46 05 30 N 122 55 03 W	FIG 6s	17	4	SG on dolphin.	
		*					46/03
10845	- DIKE LIGHT 31	46 05 18 N 122 54 34 W	FIG 2.5s	15	4	SG on dolphin.	
		*					46/03
10850	- DIKE LIGHT 33	46 05 05 N 122 54 06 W	FIG 4s	12	4	SG on dolphin.	
		*					46/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Kalama</b>							
10895	COFFIN ROCK LIGHT	46 01 59 N 122 52 48 W	<b>Q W</b>	20	5	NB on house.	
		*					46/03
10905	- LOWER RANGE FRONT LIGHT	46 00 34 N 122 50 59 W	<b>Q R</b>	28		KRB on skeleton tower.	Visible 2° each side of rangeline.
		*					46/03
10915	- UPPER RANGE FRONT LIGHT	45 58 41 N 122 50 22 W	<b>Q W</b>	17		KRB on pile structure.	Visible all around; higher intensity on rangeline.
		*					46/03
10930	AHLE POINT LIGHT 49	45 59 53 N 122 50 41 W	<b>FI G 4s</b>	26	4	SG on dolphin.	
		*					46/03
<b>Martin Island</b>							
10950	- LOWER RANGE FRONT LIGHT	45 57 29 N 122 48 32 W	<b>Q W</b>	15		KRB on dolphin.	Visible all around; higher intensity on rangeline.
		*					46/03
10985	- UPPER RANGE FRONT LIGHT	45 56 19 N 122 48 10 W	<b>Q W</b>	28		KRB on pile structure.	Visible all around; higher intensity on rangeline.
		*					46/03
10995	- Dike Daybeacon 67	45 56 18 N 122 48 11 W				SG on dolphin.	
		*					46/03
11005	DEER ISLAND UPPER DIKE LIGHT 72	45 55 12 N 122 48 44 W	<b>FI R 4s</b>	15	4	TR on dolphin.	Higher intensity beam up channel.
		*					46/03
11025	COLUMBIA CITY LIGHT 76	45 53 31 N 122 48 23 W	<b>Q R</b>	31	5	TR on skeleton structure.	Higher intensity beam downstream.
		*					46/03
11185	HEWLETT DIKE LIGHT 33	45 41 10 N 122 46 09 W	<b>FI G 4s</b>	37	4	SG on dolphin.	
					*		46/03
11460	- RANGE REAR LIGHT 115 yards, 113° from front light.		<b>Iso R 6s</b>	55		KRB on skeleton tower.	Visible 14° each side of rangeline.
				*			46/03

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3000	- UPPER RANGE FRONT LIGHT	42 57 12 N 78 54 36 W	F R	30 9		KRW on gray post.	* 46/03
			*				
3005	- UPPER RANGE REAR LIGHT 795 feet, 000.5° from front light.		F R	50 15		KRW on gray post.	* 46/03
			*				
3015	- LOWER RANGE FRONT LIGHT	42 57 00 N 78 54 36 W	F R	30 9		KRW on gray post.	Visible on range line only. * 46/03
			*				
3020	- LOWER RANGE REAR LIGHT 750 feet, 139.5° from front light.		F R	83 25		KRW on skeleton tower.	Visible on range line only. * 46/03
			*				
<b>Strawberry Island Cut</b>							
3075	GRAND ISLAND RANGE FRONT LIGHT	42 58 42 N 78 56 48 W	F R	29 9		KRW on gray post.	* 46/03
3080	GRAND ISLAND RANGE REAR LIGHT 515 yards, 313.5° from front light.		F R	47 14		KRW on skeleton tower.	* 46/03
21235	- Entrance Lighted Bell Buoy		Mo (A) W		6	Red and white stripes.	Maintained from Apr. 21 to Oct. 14. * 46/03
21805	Horseshoe Reef Lighted Buoy 2 Marks southeast side of reef.	45 13 00 N 87 11 54 W	F I R 4s		4	Red.	Replaced by nun from Oct. 14 to May 1. * 46/03
21830	- Southeast Lighted Bell Buoy 6	45 09 03 N 87 15 00 W	F I R 4s		4	Red.	Replaced by nun from Oct. 14 to May 1. * 46/03
		*					
21845	Hanover Shoal Buoy 2 Marks southeast side of shoal.	45 08 36 N 87 17 42 W				Red nun.	Replaced by nun from Oct. 14 to May 1. * 46/03
21850	HAT ISLAND SOUTH SHOAL BUOY HI	45 05 18 N 87 19 24 W				Black can with red band.	Replaced by smaller can from Oct. 14 to May 1. * 46/03

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## SECTION II

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5576 - <i>F 6270.4</i>		34° 36.2' N 138° 50.7' E	<b>Dir.F.W.R.G.</b>	210 <b>64</b>	W. 17 R. 13 G. 13	White tower; 25.	W.-248°32', 1°08' arc. R. 4° on right of W. arc. G. 4° on left of W. arc.
					*	*	46/03
5822 <i>F 6051.5</i>	Segyo Se.	34° 30.6' N 137° 01.1' E	<b>Q.(3)W.</b> period 10s	49 <b>15</b>	12	E. CARDINAL BYB, beacon, topmark.	
		*			*		46/03
6268 <i>F 6064</i>	<b>Kozaki Saki.</b>	34° 30.4' N 136° 48.5' E	<b>Iso.W.</b> period 8s	299 <b>91</b>	20	White tower; 26.	
		*		*		*	46/03
6272 <i>F 6050.8</i>	-Obama Fishery Harbor.	34° 30.0' N 136° 50.1' E	<b>Fl.(2)G.</b> period 6s	30 <b>9</b>	3	White tower; 26.	
		*	*	*	*	*	*
							46/03
6332 <i>F 6047</i>	Maenage Se.	34° 26.9' N 136° 53.2' E	<b>Mo.(D)R.</b> period 8s	30 <b>9</b>	6	STARBOARD (B) R, beacon, topmark; 28.	
		*			*	*	46/03
7264 <i>F 5955.04</i>	- - -S. head.	34° 28.9' N 135° 21.9' E	<b>Fl.G.</b> period 4s	43 <b>13</b>	6	White tower; 36.	
		*		*	*		46/03
7482 <i>F 5848</i>	-Minami Komaiei, breakwater.	34° 38.8' N 135° 09.4' E	<b>Fl.G.</b> period 4s	46 <b>14</b>	6	White tower; 31.	
*							46/03
7484 <i>F 5848</i>	-Minami Komaiei.						<i>Remove from list.</i>
							*
							46/03
10768 <i>F 4887</i>	Ao Shima.	31° 48.4' N 131° 28.8' E	<b>Fl.W.</b> period 4s	43 <b>13</b>	5	White cylindrical concrete structure; 39.	
		*			*		46/03
11246 <i>F 5129.35</i>	Amakusa Yoko Sima.						<i>Remove from list.</i>
							*
							46/03
11276 <i>F 5139</i>	Hino Shima.	32° 23.2' N 130° 24.5' E	<b>Iso.R.</b> period 6s	33 <b>10</b>	11	Red tower; 32.	
		*	*			*	46/03
*11276.5 <i>F 5139.5</i>	-Breakwater.	32° 23.8' N 130° 24.5' E	<b>Fl.(2)G.</b> period 6s	39 <b>12</b>	7	White tower; 28.	
							46/03
11284 <i>F 5140.2</i>	Hino Shima, NW.	32° 23.9' N 130° 24.2' E	<b>Fl.R.</b> period 3s	30 <b>9</b>	3	Red tower; 16.	
		*	*	*	*	*	46/03

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11332 <i>F 5110</i>	-Daiba, breakwater.	32° 11.7' N 130° 01.7' E	<b>F.F.I.R.</b> period 5s	36 11	F. 8 Fl 11	Red quadrangular metal framework tower; 31.	46/03
		*					
11369 <i>F 5126.5</i>	Hukami Ko.	32° 15.2' N 130° 05.9' E	<b>F.I.R.</b> period 3s	27 8	7	Red concrete tower; 19.	46/03
		*					
11412 <i>F 5138.4</i>	Sumoto Ko, No. "1" breakwater.	32° 24.6' N 130° 16.4' E	<b>Iso.G.</b> period 4s	36 11	3	White tower; 27.	46/03
		*			*	*	
11492 <i>F 5154.4</i>	Shimako Ko, No. "1" breakwater.	32° 28.5' N 130° 15.1' E	<b>Iso.G.</b> period 4s	43 13	3	White tower; 31.	46/03
		*			*	*	
11504 <i>F 5154.6</i>	Kamituura Ko, N. breakwater.	32° 29.5' N 130° 17.5' E	<b>Fl.G.</b> period 3s	46 14	3	White tower; 31.	46/03
		*			*	*	
11536 <i>F 5154.7</i>	Akasaki, E. breakwater, head.	32° 31.2' N 130° 19.2' E	<b>Iso.G.</b> period 4s	36 11	3	White tower; 27.	46/03
		*		*	*	*	
11586	Hiraiwa.	32° 39.7' N 130° 30.7' E	<b>F.I.R.</b> period 3s	31 9	3	White tower; 16.	46/03
		*		*		*	
11588 <i>F 5167</i>	-Oda Ko, E. training wall.	32° 40.1' N 130° 32.2' E	<b>Fl.G.</b> period 3s	39 12	3	White quadrangular metal framework structure; 33.	46/03
		*			*		
11608 <i>F 5172.4</i>	-Kawati Ko, N. breakwater.	32° 49.9' N 130° 34.9' E	<b>Fl.G.</b> period 3s	39 12	3	White tower; 28.	46/03
		*	*		*	*	
11812 <i>F 5198.8</i>	-Koe Oki.	32° 45.2' N 129° 48.4' E	<b>Fl.G.</b> period 4s	46 14	10	White tower; 36.	46/03
		*			*	*	

### SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	LE CROISIC:						
860 <i>D 1088</i>	-Head of Trehic Jetty, entrance to port, W. side.	47° 18.5' N 2° 31.4' W	<b>Iso.W.G.</b> period 4s	39 12	W. 14 G. 11	Gray granite tower, green top; 39.	G. 042°-093°, W.-145°, G.-345°, obsc.-042°.
							* 39/03

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
SAINT-GILLES-SUR-VIE:							
1160 <i>D 1190</i>	-Croix de Vie Quay Range, front.	46° 41.9' N 1° 56.7' W	<b>Q.W.</b>	23 7	15	White square tower, red top; 23.	Intensified 033°30'-053°30'.
			*				43/03
1164 <i>D 1190.1</i>	-Rear, 260 meters 043°30' from front.	46° 42.0' N 1° 56.6' W	<b>Q.W.</b>	92 28	15	White square tower, red top; 79.	Intensified 033°30'-053°30'. Synchronized with front.
			*				43/03
1172 <i>D 1193</i>	-Jetee de la Garenne.	46° 41.6' N 1° 57.1' W	<b>FIG.</b> period 4s fl. 1s, ec. 3s	26 8	6	White tower, green top; 26.	Channel into port marked by lighted buoys.
			*				43/03
1176 <i>D 1191</i>	-Jetee de Boisvinet.	46° 41.6' N 1° 57.2' W	<b>FL.R.</b> period 4s fl. 1s, ec. 3s	26 8	6	Red column; 20.	
			*				44/03
2060 <i>D 1561</i>	-Cabo Mayor.	43° 29.4' N 3° 47.5' W	<b>Fl.(2)W.</b> period 10s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 7.1s	291 89	21	White tower; 30.	<b>Horn:</b> Mo.(M) ev. 40s (bl. 3.5s, si. 1.5s, bl. 3.5s, si. 31.5s).
						*	43/03
2632 <i>D 1736</i>	Cabo Villano.	43° 09.6' N 9° 12.7' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 3.5s fl. 0.5s, ec. 10.5s	341 104	28	Grayish yellow octagonal tower, white cupola; 82.	Visible 031°30'-228°30'. <b>Siren:</b> Mo.(V) ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 6s, si. 39s).
RACON			M(- -)		35		(3 & 10cm)
							41/03
3272 <i>D 2056</i>	Aveiro.	40° 38.5' N 8° 44.8' W	<b>Fl.(4)W.</b> period 13s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 5.8s	217 66	23	Red round tower, white bands, on center of two-story building; 203.	Aeromarine light.
			<b>FIG.</b> period 4s	177 54	9	Same structure; 164.	Visible 065°24'-105°24'.
	*		*	*	*	*	46/03
*3845 <i>D 2324.05</i>	-Padre Santo, 339°11'.	37° 08.6' N 6° 50.7' W	<b>Dir.W.R.G.</b>	194 59	8	White tower; 49.	Fl.G. 337°30'-338°, F.G.- 338°36', Oc.G.-339°06', F.W.- 339°18', Oc.R.-339°48', F.R.- 340°24', Fl.R.-340°54'.
							39/03
*3846 <i>D 2328.2</i>	-Capesa, SW.	37° 09.6' N 6° 53.7' W	<b>Fl.(2)G.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	10 3	3	Green post; 7.	
							39/03

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*3846.1 <i>D 2328.3</i>	- -NW.	37° 09.6' N 6' 53.8' W	<b>Fl.(2)G.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	10 3	3	Green post; 7.	39/03
3848 <i>D 2324</i>	-Canal del Padre Santo Range, front.						<i>Remove from list.</i>  *
3852 <i>D 2324.1</i>	- -Rear, 158 meters 339°11' from front.						<i>Remove from list.</i>  *
3884 <i>D 2352</i>	- -Breakwater, head.	36° 44.9' N 6' 25.8' W	<b>Fl.(2)G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 6	5	Green round tower; 16.	Fl.(3)G. 9s 4m 1M and Fl.(4)R. 11s 4m 3M lights mark entrance to marina.  *
		*					43/03
	-Puerto de Ibiza:						
4808 <i>E 0264</i>	- -Islote Botafoch, entrance, E. side.	38° 54.2' N 1' 27.2' E	<b>Oc.W.R.</b> period 7s lt. 5s, ec. 2s	102 31	14	White round tower on white dwelling; 52.	W. 251°-034°, R. -045°, W. -242°, obsc. -251°. <b>Siren:</b> 2 bl. ev. 10s (bl. 2s, si. 2s, bl. 2s, si. 4s).  *
							46/03
	-El Puerto:						
5076 <i>E 0299.2</i>	- -Dique Norte, outer spur, head.	39° 54.1' N 3' 05.2' E	<b>Fl.(2)G.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	19 6	5	Green truncated conical tower; 16.	
*		*	*		*		41/03
5080 <i>E 0300.2</i>	- -N. breakwater, head.	39° 54.3' N 3' 05.1' E	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	7 2	1	Red column; 1.	
*		*	*	*	*	*	41/03
5084 <i>E 0300</i>	- -S. breakwater, head.	39° 54.3' N 3' 05.2' E	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	7 2	1	Red column; 1.	
		*	*		*	*	41/03
5088 <i>E 0302</i>	-Puerto del Barcares, Dique Norte, head.						<i>Remove from list.</i>  *
							46/03

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

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5107 <i>E 0307.17</i>	-Puerto Deportivo Serranova, breakwater, head.	39° 44.4' N 3' 13.5' E	<b>Fl.(3)R.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s  *	20 6	4	Red tower; 7.	44/03
5107.5 <i>E 0307.19</i>	-Inner breakwater.	39° 44.4' N 3' 13.4' E	<b>Fl.(4)G.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s  *	10 3	3	Green tower; 7.	44/03
5128 <i>E 0308.7</i>	-Dique Norte, head.	39° 36.8' N 3' 23.6' E	<b>Fl.(2)G.</b> period 6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 3.6s  *	16 5	3	Round tower on white hut, green triangular daymark, point up.	46/03
5132 <i>E 0308.6</i>	-Cala Bona, Dique Sur, head.	39° 36.8' N 3' 23.6' E	<b>Fl.(2)R.</b> period 6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 3.6s  *	16 5	5	Round tower on white hut, red square; 7.	46/03
5360 <i>E 0198</i>	<b>Cabo Cullera.</b>	39° 11.2' N 0' 13.1' W	<b>Fl.(3)W.</b> period 20s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 11.7s  *	92 28	25	White conical tower; 52.	Aeromarine light.   *
*5362 <i>E 0199</i>	El Perello, E. jetty, head.	39° 16.7' N 0' 16.2' W	<b>Fl.(3)G.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	26 8	4	Green tower; 10.	46/03
*5362.2 <i>E 0199.2</i>	-W. jetty, head.	39° 16.7' N 0' 16.3' W	<b>Fl.(3)R.</b> period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6.5s	23 7	4	Red tower; 16.	46/03
6072 <i>E 0514.5</i>	<b>Canet-Plage.</b>	42° 42.5' N 3' 02.3' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s  *	89 27	15	White structure; 79.	39/03
6200 <i>E 0547.5</i>	-E. extremity.	43° 23.9' N 3' 43.8' E	<b>Iso.R.</b> period 4s  *                      *	66 20	11	White pylon, red top; 23.  *                      *	39/03

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>*Delete Heading:</b>							
<b>*GOLFE DE ST. TROPEZ:</b>							
6996 <i>E 0782</i>	-Pointe de Bertaud, wharf, head.						<i>Remove from list.</i>
							* 41/03
<b>*Add Heading:</b>							
<b>*GOLFE DE ST. TROPEZ:</b>							
7000 <i>E 0778</i>	-Sainte Tropez, jetty, head.	43° 16.3' N 6' 38.0' E	<b>Oc.(2)W.R.</b> period 6s fl. 3s, ec. 1s lt. 1s, ec. 1s	23 7	W. 13 R. 9	Gray pylon, white top.	W. 228°-245°, R. elsewhere.
							41/03
13316 <i>E 3282</i>	-Rt Kremik.	43° 34.5' N 15° 55.0' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	36 11	8	White octagonal concrete tower; 26.	Visible 339°-197°.
		*					* 42/03
16956 <i>E 4850</i>	<b>-Mehmetcik Burnu.</b>	40° 02.6' N 26° 10.5' E	<b>Fl.W.R.</b> period 5s fl. 0.5s, ec. 4.5s	164 50	W. 19 R. 12	White masonry tower; 82.	R. 350°-010°, W.-350°. <b>Radar reflector.</b>
	-RACON		C(- - -)				42/03
	*	*	*				
17012 <i>E 4859</i>	-Eceabat, pier, head.	40° 11.1' N 26° 21.8' E	<b>F.G.</b>	16 5	3	Gray framework tower; 10.	
			*	*	*		43/03
17048 <i>E 4878</i>	<b>-Gelibolu.</b>	40° 24.6' N 26° 41.0' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	111 34	15	White masonry tower; 30.	<b>Siren:</b> 2 bl. ev. 30s.
	-RACON		G(- - -)				42/03
	*		*				
*17106 <i>E 4903.45</i>	-Yenikapi, breakwater, head.	40° 59.9' N 28° 57.6' E	<b>Fl.(2)R.</b> period 5s	30 9	8	White metal framework tower; 19.	
							41/03
17116 <i>E 4881.6</i>	- -Tavsan Adasi.	40° 22.6' N 27° 47.3' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	181 55	12	White metal framework tower; 19.	
					*		39/03
17572 <i>E 4980</i>	-Ostrov Bolshevik.	42° 28.1' N 27° 33.1' E	<b>L.Fl.W.R.</b> period 8s fl. 2s, ec. 6s	71 22	W. 8 R. 4	White round concrete tower; 39.	R. 272°-312°, W.-272°.
	*	*			*		44/03
17908 <i>E 5080</i>	Lanzheronskiy.						<i>Remove from list.</i>
							* 46/03

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18258 <i>E 5285</i>	Solodunova.	45° 07.6' N 33° 31.3' E	<b>Fl.(2)R.</b> period 12s		15		Visible 150°-310°.
							* 39/03
*18285 <i>E 5302.53</i>	-Inner harbor range, front.	44° 37.0' N 33° 35.3' E	<b>Q.Y.</b>		1		On request.
							45/03
*18286 <i>E 5302.535</i>	--Rear, 073°12' from front.	44° 37.0' N 33° 35.4' E	<b>Q.Y.</b>		2		On request.
							45/03
*19470 <i>E 5800.5</i>	-E.	41° 21.6' N 36° 42.5' E	<b>2 Fl.Y.</b> period 3s fl. 1s, ec. 2s	43 13	7	Yellow metal column; 39.	Marks pipeline.
							41/03
*19666 <i>E 5830.7</i>	Asagi Kovanagzi, breakwater, head.	41° 10.7' N 30° 13.7' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	20 6	5	White concrete tower; 16.	
							43/03
19824 <i>E 4616.4</i>	-Aliaga Limani Burun, E. entrance point.	38° 50.2' N 26° 56.7' E	<b>Q.G.</b>	36 11	10	White pylon; 20.	
						*	40/03
19876 <i>E 4626</i>	-Izmir, breakwater, N. head.	38° 25.8' N 27° 07.8' E	<b>Q.G.</b>	23 7	7	White column; 20.	
		*				*	39/03
19880 <i>E 4627</i>	--Breakwater, S. head.	38° 25.3' N 27° 07.6' E	<b>Q.R.</b>	23 7	7	White column; 20.	
		*				*	39/03
20620 <i>E 5852</i>	-Yardamci, cape, outer head.	36° 12.6' N 30° 24.9' E	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	118 36	8	White stone tower on 4 legs; 16.	
						*	40/03
20766 <i>E 5874.6</i>	--SE.	36° 33.4' N 35° 23.3' E	<b>Fl.(2)R.</b> period 10s fl. 1s, ec. 9s	33 10	9	White framework structure.	
			*				43/03
*23162 <i>D 2590.5</i>	-Entrance.	33° 08.9' N 8° 37.0' W	<b>Dir.Fl.(3)W.R.G.</b> period 6s		6	Column.	G. 041°-042°, W.-044°, R.-045°.
							43/03
23760 <i>D 2759</i>	-Baia de Porto Santa Range, front.						<i>Remove from list.</i>
							* 46/03
23764 <i>D 2759.1</i>	--Rear, 494 meters 328°06' from front.						<i>Remove from list.</i>
							* 46/03

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## SECTION II

### SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

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23932 <i>D 2798</i>	-La Isleta.	28° 10.4' N 15° 25.0' W	<b>Fl.(1+3)W.</b> period 20s fl. 0.3s, ec. 2.5s fl. 0.3s, ec. 2.5s fl. 0.3s, ec. 6.9s fl. 0.3s, ec. 6.9s	817 249	21	White conical tower, yellow band, dwelling; 32.	Aeromarine light.
			*			*	44/03
24056 <i>D 2775</i>	-Puerto de Los Marmoles, Punta Chica, pier, head.	28° 57.8' N 13° 31.6' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	6	Green round tower; 20.	
			*			*	42/03
ILHA DE SAO TIAGO:							
24204 <i>D 2876</i>	-Maria Pia Ponta Temerosa, SE. side.	14° 54.0' N 23° 31.0' W	<b>Fl.(2)W.</b> period 6s	82 25	15	White octagonal masonry tower; 69.	Visible 258°-095°.
	*				*		*
							45/03
24220 <i>D 2882</i>	Ponta do Lobo, island, near E. extremity.	14° 59.0' N 23° 26.0' W	<b>Fl.(4)W.</b> period 15s	56 17	6	Trapezoidal tower near dwelling; 30.	Visible 190°-335°.
					*		45/03
24312 <i>D 2974.2</i>	-Villa Cisneros, Muelle Transversal No. "3", head.	23° 41.8' N 15° 55.2' W	<b>Fl.(2)W.</b> period 10s	26 8	8	Gray truncated conical tower; 16.	
			*	*	*		42/03
*24314 <i>D 2973.5</i>	-New Port, breakwater, head.	23° 39.6' N 15° 56.7' W	<b>Q.(3)W.</b> period 10s	36 11	8	E. CARDINAL BYB, beacon, topmark.	
							42/03
24524 <i>D 3058</i>	-Ilheu dos Passaros, near Canal do Geba.	11° 49.2' N 15° 35.5' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	56 17	9	White square masonry tower; 42.	
		*		*			41/03
24540 <i>D 3060</i>	--Entrance Range, front.	11° 51.4' N 15° 34.9' W	<b>L.Fl.G.</b> period 7s fl. 2s, ec. 5s	43 13	4	Metal white quadrangular tower.	
		*	*				41/03
24544 <i>D 3060.1</i>	--Rear, about 320 meters 346° from front.	11° 51.6' N 15° 35.0' W	<b>L.Fl.G.</b> period 7s fl. 2s, ec. 5s	118 36	4	N. tower of cathedral.	
		*	*				41/03
*24545 <i>D 3059</i>	-Dicol Oil Jetty.	11° 50.2' N 15° 35.4' W	<b>2 Iso.R.</b> period 4s				1 on each corner.
							41/03
24576 <i>D 3074</i>	-Ilha das Cobras, N. point.	11° 38.5' N 15° 28.7' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	33 10	9	White column on white stone tower; 33.	
				*			41/03

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*24798 <i>D 3126</i>	<b>Adjue.</b>	5° 11.6' N 4° 32.5' W	<b>F.I.W.</b> period 4s		15	White tower; 49.	43/03
25548 <i>D 4400</i>	-Quissanga.						<i>Remove from list.</i> * 41/03
25549 <i>D 4600</i>	-Selonga Range, front.						<i>Remove from list.</i> * 41/03
25549.1 <i>D 4600.1</i>	-Sacra-Ambaca, rear, 064°30' from front.						<i>Remove from list.</i> * 41/03
25550 <i>D 4616</i>	-Libulu Range, front.						<i>Remove from list.</i> * 41/03
25550.5 <i>D 4616.1</i>	-Rear, 400 meters 141° from front.						<i>Remove from list.</i> * 41/03
25551 <i>D 4630</i>	-Rocha Libulu.						<i>Remove from list.</i> * 41/03

### SUMMARY OF CORRECTIONS TO PUB 113, RADIOBEACONS, 2003 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
210	Cabo Villano Light Station						<i>Remove from list.</i> * 41/03
1580	Porto Santo						<i>Remove from list.</i> * 40/03
1610	La Isleta Light Station						<i>Remove from list.</i> * 44/03

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*9328.5 <i>B 0286.1</i>	-W. harbor, head.	51° 26.4' N 4° 00.5' E	<b>F.R.</b>	43 13	10		46/03

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## SECTION II

### CORRECTIONS TO PUB 115, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6060 <i>L 0760</i>	Olsskjaer.	62° 28.9' N 6' 08.5' E	<b>Q.(9)W.</b> period 15s	33 10	7	Beacon.	
					*		46/03
6064 <i>L 0798</i>	-Brattholmen.	62° 29.1' N 6' 13.2' E	<b>Fl.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	31 9	W. 3 R. 2	Lantern on post.	R. 064°54'-092°06', W.- 268°24', R.-282°48', W.- 323°24', R.-340°18'.
						*	* 46/03
6088 <i>L 0768</i>	Kveitskjer, Hessefjord.	62° 27.1' N 6' 10.7' E	<b>Fl.W.R.G.</b> period 5s fl. 0.7s, ec. 4.3s	19 6			R. 053°-066°, G.-079°, W.-086°, R.-173°, W.-183°, G.-236°, W.-255°, R.-265°.
					*	*	46/03
6096 <i>L 0774</i>	Fransholmen, Asefjord, N. point of islet.	62° 27.0' N 6' 14.1' E	<b>Iso.W.R.G.</b> period 6s	10 3			R. 106°-116°, W.-122°, G.-198°, R.-254°, W.-267°, G.-288°30', W.-291°, R.-301°.
					*	*	* 46/03
6232 <i>L 0858</i>	-Ravnen Islet.	62° 36.8' N 6' 08.1' E	<b>Fl.(2)W.</b> period 10s	39 12	2	Lantern on pedestal, on piles.	
				*		*	46/03
6248 <i>L 0865</i>	-Haramsneset.	62° 39.3' N 6' 10.4' E	<b>Oc.(3)W.R.G.</b> period 10s	48 15	W. 12 R. 9 G. 9	Lantern on base.	G. 298°-306°, W.-313°, R.-316°, W.-319°, G.-053°, W.-063°, R.-124°, W.-128°, G.-167°.
						*	* 46/03
6322 <i>L 0901</i>	Husevikflua.	62° 45.6' N 6' 31.5' E	<b>Q.R.</b>			Lantern on metal post.	
				*	*	*	46/03
6343 <i>L 0907.2</i>	Helleflua.	62° 47.5' N 6' 40.7' E	<b>Fl.(2)W.</b> period 5s	20 6	5		Private light.
			*				46/03
6352 <i>L 0913</i>	Rugskjaeret.	62° 50.8' N 6' 32.6' E	<b>Iso.W.R.G.</b> period 6s	30 9	W. 3 R. 2 G. 1	Lantern on column.	G. 067°-234°, W.-245°, R.-324°, G.-012°, W.-023°, R.-056°, W.-067°.
			*			*	46/03
6356 <i>L 0914</i>	<b>Ona.</b>	62° 51.8' N 6' 32.7' E	<b>F.W., Fl.R.</b> period 30s	131 40	18	Red iron tower; 23.	
	*		*	*	*		* 46/03
6384 <i>L 0922</i>	-Sondre Orholmskjaer.	62° 52.0' N 6' 46.6' E	<b>Oc.(2)W.R.G.</b> period 8s	24 7	W. 3 R. 2 G. 2	Lantern on tripod.	G. 241°-243°, W.-260°, R.-291°, W.-293°, G.-358°, W.-004°, R.-050°, W.-068°, G.-088°, R.- 107°.
			*			*	46/03

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
BUDDJUPET:							
6388 <i>L 0924</i>	-Oddane.	62° 54.4' N 6' 52.7' E	FI.G. period 3s	52 16	4	Lantern on pedestal.	
			*	*		*	46/03
6424 <i>L 0934</i>	-Julholmen, sound, E. side.	62° 44.1' N 6' 58.2' E	Oc.(2)W.R.G. period 8s	27 8	W. 6 R. 4 G. 4	Iron hut.	G. 332°-340°, W.-025°, R.-130°, G.-150°, W.-156°, R.-162°, W.-178°, G.-198°.
			*				46/03
6436 <i>L 0942.4</i>	-Dronesundvagen.	62° 40.0' N 6' 35.0' E	Oc.W.R.G. period 6s	24 7	W. 5 R. 3 G. 3	Plastic hut on concrete column.	G. 279°-061°30', W.-077°30', R.-121°, W.-158°, G.-198°.
			*		*		46/03
6458 <i>L 0951</i>	-Mekgrunnen.	62° 43.4' N 7' 06.0' E	FI.(2)W. period 5s	13 4		Metal post.	
					*	*	46/03
6459 <i>L 0952</i>	-Molde Havn, Reknes, mole.	62° 44.0' N 7' 09.2' E	Oc.(2)W.R.G. period 8s	30 9		Lantern on piles.	G. 242°-262°, W.-263°, R.-060°, W.-063°, G.-071°, W.-081°, R.-090°.
					*		46/03
6468 <i>L 0948</i>	-Jektesundet, N.	62° 43.2' N 7' 11.3' E	Q.R.	26 8	2	Lantern on pedestal.	
					*	*	46/03
6472 <i>L 0949</i>	-S.	62° 42.9' N 7' 11.3' E	Q.R.	21 6	2	Lantern on pedestal.	
					*	*	46/03
6536 <i>L 0994</i>	-Skomakaren.	62° 57.9' N 7' 01.6' E	FI.R. period 5s fl. 0.5s, ec. 4.5s	7 2		Metal column.	
			*	*		*	46/03
6620 <i>L 1019</i>	-Hasloyskjaeret.	63° 03.2' N 7' 26.6' E	Q.R.	7 2		Metal column.	
				*		*	46/03
6672 <i>L 1026</i>	-Sveggesundet, Engelen, NE. point.	63° 06.8' N 7' 35.8' E	FI.W.R.G. period 5s fl. 1s, ec. 4s	39 12	W. 5 R. 3 G. 2	Lantern on pile.	G. 104°-114°, R.-149°, W.-221°, R.-350°, G.-359°.
			*			*	* 46/03
6688 <i>L 1031</i>	-Skjerveskjer.	63° 05.9' N 7' 43.5' E	Q.R.	16 5		Metal column on cairn.	
					*	*	46/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

NM 46/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 46/03

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG</b>			<b>CATP2V01U</b>					
Region 1	2002	1* 2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31,32,35,36,37,38,39,40,41,42,43,44,45,46/03	SDPUB140	2001	21* 48,49,51/01;8,17,23,32,42,43,44,46,47,48,50/02;4,6,7,8,9,11,12,15,19,21,22,23,24,25,26,31,32,34,37,42,43/03	SDPUB195	2002	33* 40,49,51,52/02;1,2,3,15,16,21,32,33,41,43,46/03
Region 2	2002	1* 8,15,17,20,21,22,23,24,26,28,30,32,33,34,44/03	SDPUB141	2001	21* 38/01	SDPUB200	2002	38* 39,42/02;22,27,34,41/03
Region 3	2002	1/03*	SDPUB142	2000	49/00*;3,31,35/01;1,15,43/02	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Region 4	2002	1* 23,43/03	SDPUB145	2000	13* 14,18,19,22,26,32,37,38,46,47,51,53/00;1,4,5,7,10,12,28,29,35,52/01;14,27/02	COMDTM165021	2003	17* 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,36,37,38,39,40,41,42,43,44,45/03
Region 5	2002	1* 3,5,8,22,27,30,33,38/03	SDPUB147	2001	35/01*;21,22,23,24/02;39,40,41,46/03	COMDTM165022	2003	17* 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03
Region 6	2002	1* 10,11,13,16,19,20,21,25,28,30,33,38/03	SDPUB148	2001	48/01*;23,24/02;22,42,43,45/03	COMDTM165023	2003	17* 18,19,20,21,23,24,25,26,28,29,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03
Region 7	2002	1* 11,15,28/03	SDPUB153	2000	6/01*;28,30,41,44,46,47,48,52/02;1,3,4,8,13,15,22,25,32,35,37,38,39,40,43/03	COMDTM165024	2003	18* 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03
Region 8	2002	1* 14,37,41,46/03	SDPUB154	2002	17* 19,31,42,44,45,46,48,50/02;3,14,19,23,30,41,42/03	COMDTM165025	2002	16/02*
Region 9	2002	1* 34,40,43,45/03	SDPUB155	2001	31* 48/01;10,45,46/02	COMDTM165026	2003	18* 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31,32,33,34,36,37,38,39,41,42,43,45,46/03	SDPUB159	2002	42* 48/02	COMDTM165027	2003	18* 20,21,22,23,24,26,27,28,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03
			SDPUB160	2002	47* 48,49,52/02;6,8,10,11,19,21,22,23,30,33,36,39,41,43/03	<b>FLEET GUIDES</b>		
<b>NIMA LIST OF LIGHTS</b>			SDPUB161	2002	23* 24,44,47,48/02;5,12/03	FGPUB940ATL	2001	N47/01*
LLPUB110	2003	7* 8,9,11,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,31,32,33,34,36,37,38,39,41,42,43,44/03	SDPUB162	2001	51/01*;5,12/03	FGPUB941PAC	2001	N22/01*
LLPUB111	2003	33* 34,35,36,37,38,39,40,41,43,45/03	SDPUB163	2002	18* 20,21,26,46,51/02;13,24,26,27,28,29,30,31,39,40,41,43/03	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
LLPUB112	2003	4* 5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/03	SDPUB164	2000	30/00*;31,35,36/01;8,28/03	NOSPBCATALOG1	2000	20/00*
LLPUB113	2003	46/03*	SDPUB171	2001	40* 47,48,52/01;5,9,14,16,41/02;23,24,26,41/03	NOSPBCATALOG2	2000	34/00*
LLPUB114	2003	17* 19,21,22,23,24,27,31,32,40,43,44,46/03	SDPUB172	2001	1* 2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31,32,33,34,35,37,38,39,40,43,44,45,46/03	NOSPBCATALOG3	2000	28/00*
LLPUB115	2003	42* 44,46/03	SDPUB173	2002	50* 51/02;3,22,24,25,26,27,32,33,34,37,38/03	NOSPBCATALOG4	2000	34/00*
LLPUB116	2003	24* 26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45/03	SDPUB174	2000	7* 19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02;30,39,40,41,43/03	<b>ALMANACS</b>		
<b>SAILING DIRECTIONS</b>			SDPUB180	2002	32* 33,42,47,48,50/02;6,13,14,17,21,24,42,44/03	AIRALMANAC401	2004	29/03*
CDPUBSD125	2003	19* 43/03	SDPUB181	2002	38* 39/02	NAUTALMANAC04	2004	29/03*
CDPUBSD127	2003	39/03*	SDPUB182	2001	8* 10,12,41/02;17/03	<b>COAST PILOT</b>		
CDPUBSD131	2002	9/03*	SDPUB183	2001	27/01*;13,15,16/02;18/03	NOSPBCP1	33	27* 28,29,32,33,34,39,42,46/03
CDPUBSD143	2003	46/03*	SDPUB191	2000	5* 7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02;2,9,12,15,18,22/03	NOSPBCP2	32	17* 18,21,22,26,28,30,32,33,35,36,39,42,43,45/03
CDPUBSD146	2002	4/03*	SDPUB193	2000	27* 38,49/00;9,26,27,31,32/01;14,15,26,52/02;18,19,20,23,29/03	NOSPBCP3	36	34* 36,42,43,44,46/03
CDPUBSD157	2003	17/03*				NOSPBCP4	35	34* 36,39,42,44,46/03
CDPUBSD158	2003	24/03*				NOSPBCP5	30	2* 6,10,12,14,18,20,27,30,32,35,36,37,39,42/03
CDPUBSD192	2003	32* 36,38,39,40,41,42,43/03				NOSPBCP6	33	23* 27,29,32,34,39,42,46/03
CDPUBSD194	2002	6* 8,15,17,30,33,35,37,38,39,40/03				NOSPBCP7	35	37* 38,39,42,44,45/03
SDPUB120	2001	12* 18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31,41,42,44,45/03				NOSPBCP8	25	32* 33,34,39,42/03
SDPUB123	2001	45* 47,48/01;1,14,17,18,19/02;24,25,27,28,32,38,42/03				NOSPBCP9	21	30* 32,33,36,39,42/03
SDPUB124	2001	18* 44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46,50/02;24,25,27,28,29,30,32,35,36,37,39,44/03				<b>RADIO NAVIGATIONAL AIDS</b>		
SDPUB126	2002	39* 41,42,43,44,45,48/02;24,26,27,28,30,32,41/03				RAPUB117	2002	50/02*;13/03
SDPUB132	2000	39* 45/00;16,17,31,35/01;1,12,21,25,26/02;2,10/03				<b>AMERICAN PRACTICAL NAVIGATOR</b>		
						NVPUB9	2002	36/02*;14,38/03
						<b>INTERNATIONAL CODE OF SIGNALS</b>		
						CDPUBNV102	2003	20/03*

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 46/03**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.
<b>WORLD PORT INDEX</b>		
NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01:1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02:2,7,10,15,20/03
<b>DISTANCES BETWEEN PORTS</b>		
NVPUB151	2001	4/02*
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N23/91*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00
<b>NOS TIDE TABLES</b>		
NOSPBTTCPACIN3	2003	N4/03*
NOSPBTTTECSTNSA3	2003	N4/03*
NOSPBTTTEURAFR3	2003	N4/03*
NOSPBTTWCSTNSA3	2003	N4/03*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCATCSTN3	2003	N4/03*
NOSPBCTPACAS3	2003	N4/03*

**BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

**NAVAREA IV**

Messages in force 301200Z October 2003:

2003 series	387(GEN)	420(24)	422(GEN)
108(26,27)	418(11)	421(11,26)	425(GEN)

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**NAVAREA IV WARNINGS issued from 231100Z to 301200Z October 2003.**

419/03. CANCELED.

420/03(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS 28 OCT THRU 01 DEC BY M/V DISCOVERY IN AREA BETWEEN 01-00S 08-00N AND 042-00W 053-00W.
2. CANCEL NAVAREA IV 412/03(14), BUOYS REMOVED.
3. CANCEL THIS MSG 02 DEC.

(241010Z OCT 2003)

421/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0500Z TO 0459Z COMMENCING DAILY 27 OCT THRU 02 NOV IN AREA BOUND BY 30-45N 080-54W, 30-45N 080-11W, 30-36N 080-11W, 30-33N 080-55W.
  - B. 0500Z TO 0459Z COMMENCING DAILY 27 OCT THRU 02 NOV IN AREA BETWEEN 29-10N 29-20N AND 079-40W 079-50W.
  - C. 1300Z TO 0700Z COMMENCING DAILY 28 THRU 31 OCT IN AREA BETWEEN 29-50N 30-00N AND 080-50W 081-00W.
  - D. 290100Z TO 290400Z OCT IN AREA BOUND BY 30-35N 081-21W, 30-35N 081-00W 30-00N 081-02W, 30-00N 081-15W.
2. CANCEL THIS MSG 030559Z NOV.

(241244Z OCT 2003)

422/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 251000Z OCT 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 387(GEN), 415(11,26), 418(11), 419(GEN), 420(24), 421(11,26).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
3. CANCEL NAVAREA IV 414/03.

(251010Z OCT 2003)

423/03 and 424/03. CANCELED.

425/03(GEN). RADIO SERVICES. SATELLITE SYSTEMS.

DUE TO HIGH LEVELS OF SOLAR ACTIVITY, VESSELS ARE ADVISED THAT ABNORMALITIES AND/OR INTERRUPTIONS TO TELECOMMUNICATION AND NAVIGATION SYSTEMS COULD RESULT.

(291240Z OCT 2003)

## SECTION III

NM 46/03

## HYDROLANTS

Messages in force 301200Z October 2003:

2000 series	2883(54)	1522(51,52)	1863(37)	1963(53)	2025(36,37)
2937(38)	2003 series	1553(37)	1896(22)	1984(37)	2026(52)
3762(43)	41(37)	1606(24)	1902(24)	1988(24)	2027(36,51)
4265(44)	67(37)	1607(24)	1907(36,37)	1989(23,24)	2028(24)
2001 series	544(55)	1620(53,56)	1912(55)	1992(24)	2029(24)
611(44)	604(26,27)	1647(51,52)	1930(54)	1995(53)	2031(55)
2700(37)	738(35)	1676(57)	1931(57)	1997(53)	2033(GEN)
3161(44)	754(37)	1731(35)	1935(37)	1998(35,38)	2034(51)
2002 series	867(37)	1780(51,52)	1940(54)	1999(23)	2035(37)
245(GEN)	1117(37)	1801(35)	1944(53)	2002(54,56)	2036(54)
246(GEN)	1242(24)	1825(GEN)	1946(56)	2004(24)	2038(37)
2203(51)	1255(44)	1830(37)	1948(24)	2006(24)	2039(53)
2682(51)	1291(37)	1833(37)	1956(24)	2007(GEN)	2040(54,56)
2848(37)	1374(52,53)	1834(22)	1958(GEN)	2012(24)	
2869(52)	1422(53)	1847(53)	1960(GEN)	2014(35)	
2882(54)	1472(35)	1856(53)	1961(37)	2021(53)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**HYDROLANT WARNINGS issued from 231100Z to 301200Z October 2003.**

1996/03. CANCELED.

1997/03(53). MALTA. GUNNERY.

1. GUNNERY EXERCISES 0900Z TO 1400Z DAILY  
28 THRU 30 OCT IN AREA BOUND BY  
35-56.1N 014-29.8E, 36-01.8N 014-41.3E,  
36-06.4N 014-23.0E.
2. CANCEL THIS MSG 301500Z OCT.

(231350Z OCT 2003)

1998/03(35,38). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS IN PROGRESS UNTIL 061700Z NOV  
IN AREA BOUND BY 56-47N 007-39W, 55-50N 007-40W,  
56-00N 013-00W, 61-00N 013-00W, 61-00N 000-00,  
55-00N 000-00, 55-00N 001-25W, 58-38N 005-00W.
2. CANCEL THIS MSG 061800Z NOV.

(231436Z OCT 2003)

1999/03(23). ARGENTINA.

- CHART 23125 (4TH)
1. EL RINCON BUOY 39-23.9S 061-29.0W MISSING.
  2. CANCEL HYDROLANT 1987/03, VESSEL IN TOW.

(231520Z OCT 2003)

2000/03 and 2001/03. CANCELED.

2002/03(54,56). EASTERN MEDITERRANEAN SEA.

1. UNDERWATER OPERATIONS 28 OCT THRU 16 NOV BY  
M/V LE SUROIT IN AREA BOUND BY  
34-38N 034-58E, 34-38N 035-48E,  
35-50N 035-47E, 35-50N 035-07E,  
34-35N 033-30E, 33-52N 034-25E.
2. CANCEL HYDROLANT 1968/03(53), AID RESTORED.
3. CANCEL HYDROLANT 1982/03(53), AID RESTORED.
4. CANCEL THIS MSG 17 NOV.

(240620Z OCT 2003)

2003/03. CANCELED.

2004/03(24). NORTH ATLANTIC.

1. OCEANOGRAPHIC OPERATIONS 28 OCT THRU 01 DEC  
BY M/V DISCOVERY IN AREA BETWEEN  
01-00S 08-00N AND 042-00W 053-00W.
2. CANCEL THIS MSG 02 DEC.

(241020Z OCT 2003)

2005/03. CANCELED.

2006/03(24). SOUTH ATLANTIC.

1. DERELICT VESSEL BONOBO, WHITE AND YELLOW HULL, CAPSIZED AND ADRIFT VICINITY 19-17.5S 024-09.8W AT 242345Z OCT. REPORTS TO ANY COASTAL RADIO STATION.
2. CANCEL HYDROLANT 1975/03 AND 2000/03.
3. CANCEL THIS MSG 01 NOV.

(250450Z OCT 2003)

2007/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 251000Z OCT 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 1780(51,52), 1801(35), 1825(GEN), 1830(37), 1833(37), 1834(22), 1845(55), 1847(53), 1856(53), 1863(37), 1896(22), 1902(24), 1907(36,37), 1912(55), 1926(54), 1929(57), 1930(54), 1931(57), 1935(37), 1940(54), 1944(53), 1945(56), 1946(56), 1948(24), 1956(24), 1958(GEN), 1960(GEN), 1961(37), 1963(53), 1974(43), 1984(37), 1988(24), 1989(23,24), 1990(24), 1991(55), 1992(24), 1993(23), 1994(24), 1995(53), 1996(55), 1997(53), 1998(35,38), 1999(23), 2002(54,56), 2003(24), 2004(24), 2005(36), 2006(24).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
3. CANCEL HYDROLANT 1600/03, 1866/03, 1877/03, 1882/03, 1938/03, 1952/03.

(251110Z OCT 2003)

2008/03 thru 2011/03. CANCELED.

2012/03(24). BRAZIL-SOUTHEAST COAST.

DISTRESS SIGNAL RECEIVED FROM F/V AFONSO IN 22-48.08S 041-29.06W AT 261230Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(261926Z OCT 2003)

2013/03. CANCELED.

2014/03(35). SCOTLAND-WEST COAST. MISSILES.

1. HAZARDOUS OPERATIONS 0830Z TO 1930Z DAILY 27 OCT THRU 06 NOV IN AREA BOUND BY 57-11N 007-26W, 57-05N 009-12W, 57-40N 009-12W, 57-55N 007-23W.
2. CANCEL HYDROLANT 2013/03(GEN).
3. CANCEL THIS MSG 062030Z NOV.

(270705Z OCT 2003)

2015/03 thru 2020/03. CANCELED.

2021/03(53). LIGURIAN SEA.

S/V GRAZIELLA, ONE PERSON ON BOARD, UNREPORTED. LAST KNOWN POSITION 43-48N 007-46E AT 261100Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, TELEX: 4361 1172, PHONE: 3906 5908 4527, FAX: 3906 592 2737.

(272001Z OCT 2003)

2022/03 thru 2024/03. CANCELED.

2025/03(36,37). NORTH ATLANTIC.

1. DERELICT VESSEL PARADOX ADRIFT VICINITY 44-43N 011-01W AT 281135Z OCT.
2. CANCEL HYDROLANT 2018/03.
3. CANCEL THIS MSG 04 NOV.

(281715Z OCT 2003)

2026/03(52). ALGERIA.

CHART 52202 (7TH ED). CAP DE GARDE LIGHT 36-58.1N 007-47.1E UNRELIABLE.

(281720Z OCT 2003)

2027/03(36,51). NORTH ATLANTIC.

1. DERELICT VESSEL MAYFLOWER CHRISTIAN ADRIFT VICINITY 42-36.5N 015-02.0W AT 280910Z OCT.
2. CANCEL THIS MSG 04 NOV.

(281845Z OCT 2003)

## SECTION III

NM 46/03

- 2028/03(24). BRAZIL-SOUTH COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 310159Z OCT BY  
 M/V VERITAS VIKING I TOWING SIX 6000 METER  
 LONG CABLES IN AREA BOUND BY  
 25-01.9S 042-33.3W, 25-01.6S 042-00.6W,  
 25-50.3S 041-59.9W, 25-50.6S 042-32.8W.  
 SIX MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 310259Z OCT. (290640Z OCT 2003)
- 2029/03(24). BRAZIL-SOUTH COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 310159Z OCT  
 BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
 LONG CABLES ALONG TRACKLINE BETWEEN  
 25-24S 045-06W AND 25-56S 046-00W.  
 FOUR MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 310259Z OCT. (290650Z OCT 2003)
- 2030/03. CANCELED.
- 2031/03(55). DARDANELLES.  
 1. PIPELAYING OPERATIONS IN PROGRESS UNTIL:  
 A. 01 DEC ALONG TRACKLINE BETWEEN  
 40-59.8N 029-00.2E AND 41-00.0N 028-59.6E.  
 B. 07 APR ALONG TRACKLINE BETWEEN  
 41-04.8N 029-03.9E AND 41-04.6N 029-03.8E.  
 2. CANCEL HYDROLANT 1845/03 AND 2024/03(37).  
 3. CANCEL THIS MSG 08 APR 04. (291040Z OCT 2003)
- 2032/03. CANCELED.
- 2033/03(GEN). RADIO SERVICES. SATELLITE SYSTEMS.  
 DUE TO HIGH LEVELS OF SOLAR ACTIVITY, VESSELS ARE  
 ADVISED THAT ABNORMALITIES AND/OR INTERRUPTIONS TO  
 TELECOMMUNICATION AND NAVIGATION SYSTEMS COULD RESULT. (291245Z OCT 2003)
- 2034/03(51). MOROCCO.  
 CHART 51013 (4TH ED).  
 NAVIGATION PROHIBITED UNTIL FURTHER NOTICE  
 IN AREA BOUND BY  
 33-33.3N 007-45.0W, 33-36.3N 007-45.0W,  
 33-40.1N 007-37.0W, 33-36.1N 007-37.0W. (291700Z OCT 2003)
- 2035/03(37). FRANCE-NORTHWEST COAST.  
 CHART 37320 (16TH ED).  
 RACON AT POINTE DE CREACH LIGHT 48-27.6N 005-07.8W INOPERATIVE. (291715Z OCT 2003)
- 2036/03(54). AEGEAN SEA.  
 1. CABLE OPERATIONS IN PROGRESS UNTIL 04 NOV  
 BY CABLESHIP TENEO ALONG TRACKLINE BETWEEN  
 39-40.0N 025-42.0E AND 39-47.0N 025-46.0E.  
 WIDE BERTH REQUESTED.  
 2. CANCEL THIS MSG 05 NOV. (291750Z OCT 2003)
- 2037/03. CANCELED.
- 2038/03(37). FRANCE-NORTHWEST COAST.  
 CHART 37320 (16TH ED).  
 1. CHAUSSEE DE SEIN BUOY 48-03.8N 005-07.7W UNLIT.  
 2. CANCEL HYDROLANT 2037/03, 2035/03 REFERS. (300157Z OCT 2003)
- 2039/03(53). EASTERN MEDITERRANEAN SEA.  
 1. DERELICT SEVEN METER VESSEL, WHITE HULL,  
 ADRIFT VICINITY 34-19N 013-03E.  
 REPORTS TO ANY COASTAL RADIO STATION.  
 2. CANCEL THIS MSG 06 NOV. (300710Z OCT 2003)

2040/03(54,56). EASTERN MEDITERRANEAN SEA.

1. DISTRESS SIGNAL RECEIVED VICINITY 33-35N 030-30E  
AT 300632Z OCT. VESSELS IN VICINITY REQUESTED  
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO RCC LARNACA, TELEX: 6054158,  
PHONE: 357 2430 4737, FAX: 357 2464 43254.
2. CANCEL HYDROLANT 2019/03, EXERCISES CANCELED.

(301140Z OCT 2003)

SECTION III

NM 46/03

NAVAREA XII

Messages in force 301200Z October 2003:

2003 series	283(GEN)	310(19)	315(GEN)	323(18)
262(GEN)	308(GEN)	313(16,17)	317(16,17)	

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

NAVAREA XII WARNINGS issued from 231100Z to 301200Z October 2003.

308/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 251000Z OCT 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 262(GEN), 271(19), 283(GEN), 307(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
3. CANCEL NAVAREA XII 288/03, 291/03.

(251020Z OCT 2003)

309/03. CANCELED.

310/03(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:
  - A. 22-00.0N 159-51.0W.
  - B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM
  - C. 22-02.7N 160-09.1W. NIIHAU/LEHUA.
  - D. 22-03.0N 160-21.0W.
  - E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM
  - F. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - G. 22-45.0N 161-25.0W.
  - H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
  - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - J. 23-57.0N 160-41.0W.
  - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
  - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - M. 25-47.0N 158-15.0W.
  - N. 23-54.0N 158-15.0W.
  - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
  - P. 21-58.1N 159-20.5W. LIHUE VORTAC.
  - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
  - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 309/03, STATION RESTORED.
5. CANCEL NAVAREA XII 271/03.

(271050Z OCT 2003)

311/03 and 312/03. CANCELED.

313/03(16,17). NORTH PACIFIC. ALASKA.

LORAN-C GULF OF ALASKA CHAIN, RATE 7960, UNUSABLE.

(290132Z OCT 2003)

314/03. CANCELED.

315/03(GEN). RADIO SERVICES. SATELLITE SYSTEMS.

DUE TO HIGH LEVELS OF SOLAR ACTIVITY, VESSELS ARE ADVISED THAT ABNORMALITIES AND/OR INTERRUPTIONS TO TELECOMMUNICATION AND NAVIGATION SYSTEMS COULD RESULT.

(291250Z OCT 2003)

316/03. CANCELED.

317/03(16,17). NORTH PACIFIC. ALASKA.  
LORAN-C STATION ATTU, RATE 9990-X, UNUSABLE.

(300207Z OCT 2003)

318/03 thru 322/03. CANCELED.

323/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z  
DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER  
SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE  
1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY.

THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES  
FROM AND PARALLEL

B. 33-52N 119-06W. TO THE SHORELINE.

C. 33-29N 119-07W. N. 34-24N 120-30W.

D. 33-29N 118-37W. O. 34-08N 120-26W.

E. 33-20N 118-37W. P. 34-08N 119-40W.

F. 32-11N 120-16W. Q. 34-00N 119-40W.

G. 31-54N 121-35W. R. 34-06N 119-13W.

H. 35-09N 123-39W. S. 34-06N 119-11W.

I. 35-29N 123-00W. T. 34-07N 119-10W.

J. 35-04N 122-43W. U. 34-07N 119-07W.

K. 35-57N 121-32W. V. 34-04N 119-04W.

L. 34-59N 120-42W.

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE  
AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT  
PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ)  
SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING  
THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE  
WITHIN THE RANGE.

3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS  
WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS  
DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S  
SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE.  
IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN  
NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA  
SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.

4. CANCEL NAVAREA XII 307/03.

(300940Z OCT 2003)

## SECTION III

NM 46/03

## HYDROPACS

Messages in force 301200Z October 2003:

2001 series	761(63)	1518(62)	1692(63)	1795(63)	1858(94,95)
1976(62)	801(72)	1558(81,97)	1697(61)	1799(83,76)	1861(74)
2002 series	880(63)	1592(63)	1699(63)	1801(96)	1862(62)
205(GEN)	895(62)	1624(19,81)	1700(62)	1803(74)	1864(61)
206(GEN)	960(63)	1632(19,97)	1710(GEN)	1806(61)	1865(95)
352(73)	992(62)	1635(81)	1717(84)	1809(62)	1866(62)
403(72,73)	993(62)	1645(94)	1732(75)	1811(74)	1870(96)
2191(22)	998(71)	1646(63)	1733(75)	1818(75)	1871(74)
2199(63)	1041(71)	1649(94,97)	1734(74)	1819(61)	1872(81)
2330(62)	1110(61)	1650(93)	1735(95,97)	1820(61)	1873(GEN)
2339(63)	1198(92)	1652(63)	1736(63)	1821(83)	1876(94)
2003 series	1213(73)	1653(63)	1743(63)	1823(63)	1877(63)
167(95)	1220(62)	1655(29)	1744(63)	1825(74)	1878(73,74)
197(71)	1222(62)	1657(19,97)	1745(96)	1829(93)	1879(22)
207(62)	1248(63)	1658(61)	1749(71)	1834(73,74)	1880(GEN)
445(96)	1266(73)	1660(95)	1755(63)	1837(GEN)	1881(63)
495(62)	1267(73)	1661(94,95)	1764(GEN)	1840(81)	1882(63)
496(62)	1330(62)	1662(95)	1777(63)	1842(61)	1883(63)
506(62)	1371(71,93)	1663(94,95)	1781(76,83)	1843(61)	1884(63)
515(73)	1395(62)	1664(94,95)	1782(71)	1844(22)	1885(63)
525(73,74)	1398(74)	1665(94,95)	1783(74)	1848(GEN)	1886(63)
638(62)	1476(93)	1666(71)	1785(96)	1851(63)	1887(81)
667(62)	1485(22)	1687(81)	1791(93)	1852(63)	1890(81)
760(63)	1514(62)	1688(62)	1794(62)	1857(95)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**HYDROPAC WARNINGS issued from 231100Z to 301200Z October 2003.**

1839/03. CANCELED.

1840/03(81). NORTH PACIFIC.

1. SUBMARINE RESEARCH OPERATIONS IN PROGRESS DURING DAYLIGHT HOURS UNTIL 03 NOV BY M/V SHINKAI 6500 AND M/V YOKOSUKA IN AREA BETWEEN 12-30N 15-00N AND 142-50E 145-00E.
2. CANCEL HYDROPAC 1839/03(74), VESSEL ASSISTED.
3. CANCEL THIS MSG 04 NOV.

(231327Z OCT 2003)

1841/03. CANCELED.

1842/03(61). MOZAMBIQUE.

CHART 61130 (3RD ED).  
PONTA DA BARRA LIGHT 23-47.5S 035-32.3E UNLIT.

(240010Z OCT 2003)

1843/03(61). MOZAMBIQUE.

CHART 61182 (2ND ED).  
PONTA MAUNHANE LIGHT 12-58.3S 040-35.4E UNLIT.

(240026Z OCT 2003)

1844/03(22). SOUTH PACIFIC.

1. DERELICT F/V TITO-1 ADRIFT VICINITY 09-35S 081-21W.
2. CANCEL THIS MSG 31 OCT.

(240034Z OCT 2003)

1845/03 thru 1847/03. CANCELED.

1848/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 251000Z OCT 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 1592(63), 1624(19,81), 1632(19,97), 1635(81), 1645(94), 1646(63), 1649(94,97), 1650(93), 1652(63), 1653(63), 1655(29), 1657(19,97), 1658(61), 1660(95), 1661(94,95), 1662(95), 1663(94,95), 1664(94,95), 1665(94,95), 1666(71), 1687(81), 1688(62), 1692(63), 1697(61), 1699(63), 1700(62), 1710(GEN), 1717(84),

- 1732(75), 1733(75), 1734(74), 1735(95,97), 1736(63), 1743(63), 1744(63), 1745(96), 1749(71), 1755(63), 1764(GEN), 1777(63), 1781(76,83), 1782(71), 1783(74), 1785(96), 1791(93), 1794(62), 1795(63), 1799(83,76), 1801(96), 1803(74), 1806(61), 1809(62), 1811(74), 1813(74), 1818(75), 1819(61), 1820(61), 1821(83), 1823(63), 1825(74), 1828(74), 1829(93), 1831(63), 1834(73,74), 1836(74), 1837(GEN), 1838(23,29), 1840(81), 1841(GEN), 1842(61), 1843(61), 1844(22), 1847(22).
- 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03 AND 26/03.
- 3. CANCEL HYDROPAC 1010/03, 1540/03, 1542/03, 1546/03, 1553/03, 1556/03, 1559/03, 1644/03, 1686/03, 1788/03, 1800/03.

(251120Z OCT 2003)

1849/03 and 1850/03. CANCELED.

1851/03(63). INDIA-WEST COAST.

- 1. SEISMIC SURVEY 26 OCT THRU 16 NOV BY M/V VERITAS SEARCHER TOWING 8000 METER LONG CABLE IN AREA BOUND BY 14-00N 074-31E, 14-00N 073-20E, 13-47N 073-19E, 12-30N 073-34E, 12-30N 074-59E. WIDE BERTH REQUESTED.
- 2. CANCEL THIS MSG 16 NOV.

(251210Z OCT 2003)

1852/03(63). INDIA-WEST COAST. ROCKETS.

- 1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 29 AND 30 OCT WITHIN 75 MILES OF 08-31.9N 076-52.1E.
- 2. CANCEL THIS MSG 301700Z OCT.

(251300Z OCT 2003)

1853/03 thru 1856/03. CANCELED.

1857/03(95). SEA OF JAPAN. ORDNANCE.

- 1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01, 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 NOV IN AREA BOUND BY 38-25N 128-45E, 38-25N 129-30E, 38-10N 129-30E, 38-10N 129-00E, 38-17N 129-00E, 38-17N 128-45E.
- 2. CANCEL THIS MSG 291400Z NOV.

(261100Z OCT 2003)

1858/03(94,95). YELLOW SEA. ORDNANCE.

- 1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01, 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 NOV IN AREA BETWEEN 35-35N 36-00N AND 125-00E 125-30E.
- 2. CANCEL THIS MSG 301400Z NOV.

(261115Z OCT 2003)

1859/03 and 1860/03. CANCELED.

1861/03(74). AUSTRALIA-EAST COAST.

- CHART 74200 (8TH ED).
- BREAKSEA SPIT BUOY 24-12.2S 153-08.8E UNLIT.

(270207Z OCT 2003)

1862/03(62). PERSIAN GULF. ORDNANCE.

- 1. UNDERWATER ORDNANCE DETONATIONS 300300Z TO 301300Z OCT WITHIN ONE MILE OF 28-35N 050-05E.
- 2. CANCEL HYDROPAC 1854/03(75), SEARCH SUSPENDED.
- 3. CANCEL HYDROPAC 1856/03(73,74), 1837/03(GEN) REFERS.
- 4. CANCEL THIS MSG 301400Z OCT.

(270720Z OCT 2003)

1863/03. CANCELED.

1864/03(61). INDIAN OCEAN. ORDNANCE.

- 1. UNDERWATER ORDNANCE DETONATIONS 010001Z TO 302359Z NOV IN AREA BETWEEN 09-00S 13-00S AND 070-00E 073-00E.
- 2. CANCEL THIS MSG 010059Z DEC.

(270920Z OCT 2003)

## SECTION III

NM 46/03

- 1865/03(95). SEA OF JAPAN. ORDNANCE.  
 1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01,  
 03 THRU 08, 10 THRU 15, 17 THRU 22 AND  
 24 THRU 29 NOV IN AREA BOUND BY  
 38-08N 129-51E, 38-08N 130-10E,  
 37-39N 130-10E, 37-42N 129-51E.  
 2. CANCEL HYDROPAC 1860/03(74), AID RESTORED.  
 3. CANCEL THIS MSG 291400Z NOV.  
 (271110Z OCT 2003)
- 1866/03(62). RED SEA. STRAIT OF TIRAN.  
 CHART 62222 (5TH ED).  
 GRAFTON PASSAGE SW BUOY 27-59.4N 034-29.1E TEMPORARILY REMOVED.  
 (271210Z OCT 2003)
- 1867/03 thru 1869/03. CANCELED.
- 1870/03(96). RUSSIA. SEA OF JAPAN.  
 CHART 96039 (7TH ED).  
 MYS YELAGINA LIGHT 42-44.1N 132-20.5E UNLIT.  
 (272139Z OCT 2003)
- 1871/03(74). AUSTRALIA-NORTHWEST COAST.  
 CHART 74455 (3RD ED).  
 BROWSE ISLAND LIGHT 14-06.6S 123-32.7E TEMPORARILY  
 CHANGED TO: FL (2) W 10 SEC 11 MILES.  
 (272228Z OCT 2003)
- 1872/03(81). NORTH PACIFIC.  
 MAN OVERBOARD FROM VESSEL WAKABA-MARU NO.5  
 VICINITY 22-11N 145-05E AT 271815Z OCT.  
 VESSELS IN VICINITY REQUESTED TO KEEP  
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO JAPAN COAST GUARD.  
 (272308Z OCT 2003)
- 1873/03(GEN). NORTH PACIFIC. JAPAN.  
 1. LORAN-C STATION NII JIMA, RATES 8930-MASTER AND 9930-Y,  
 OFF AIR 282300Z TO 291100Z, 292300Z TO 300800Z  
 AND 312300Z OCT TO 010300Z NOV.  
 2. CANCEL HYDROPAC 1841/03.  
 3. CANCEL THIS MSG 010400Z NOV.  
 (280253Z OCT 2003)
- 1874/03 and 1875/03. CANCELED.
- 1876/03(94). EAST CHINA SEA.  
 1. CABLE REPAIR OPERATIONS 29 OCT THRU 03 NOV,  
 ALTERNATE 04 THRU 06 NOV BY M/V KOUKI MARU  
 IN AREA BOUND BY  
 25-42N 122-20E, 25-30N 122-30E,  
 25-28N 122-26E, 25-40N 122-16E.  
 2. CANCEL THIS MSG 07 NOV.  
 (281050Z OCT 2003)
- 1877/03(63). ARABIAN SEA.  
 MAN OVERBOARD FROM M/V CAPTAIN WAIL VICINITY OF TRACKLINE  
 BETWEEN 23-47.4N 064-27.1E AND 23-29.5N 065-44.6E AT  
 270900Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER,  
 TELEX: 5633163, PHONE: 475 151 7000, FAX: 475 165 2334.  
 (290550Z OCT 2003)
- 1878/03(73,74). AUSTRALIA-NORTH COAST.  
 1. PARTIALLY SUBMERGED DERELICT F/V, BLUE AND WHITE HULL,  
 ADRIFT VICINITY 10-16S 127-42E AT 290242Z OCT.  
 2. CANCEL HYDROPAC 1874/03.  
 3. CANCEL THIS MSG 05 NOV.  
 (290610Z OCT 2003)
- 1879/03(22). CHILE. GUNNERY.  
 1. GUNNERY EXERCISES 310800Z TO 311200Z AND  
 312200Z OCT TO 010200Z NOV IN AREA BETWEEN  
 36-13-00S 36-33-00S AND 073-27-30W 073-03-00W.  
 2. CANCEL THIS MSG 010300Z NOV.  
 (290620Z OCT 2003)
- 1880/03(GEN). RADIO SERVICES. SATELLITE SYSTEMS.  
 DUE TO HIGH LEVELS OF SOLAR ACTIVITY, VESSELS ARE  
 ADVISED THAT ABNORMALITIES AND/OR INTERRUPTIONS TO  
 TELECOMMUNICATION AND NAVIGATION SYSTEMS COULD RESULT.  
 (291255Z OCT 2003)

- 1881/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0430Z TO 1030Z DAILY 30 AND 31 OCT  
 IN AREA BOUND BY 21-22N 086-56E, 21-16N 086-54E,  
 20-40N 087-15E, 18-58N 088-45E, 19-16N 089-06E,  
 20-58N 087-37E, 21-23N 087-03E.  
 2. CANCEL THIS MSG 311130Z OCT. (291350Z OCT 2003)
- 1882/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 2300Z TO 0730Z COMMENCING DAILY  
 31 OCT AND 01 NOV IN AREA BOUND  
 20-12N 070-11E, 19-51N 071-50E,  
 19-12N 071-50E, 19-01N 071-04E,  
 19-22N 070-18E.  
 2. CANCEL THIS MSG 020830Z NOV. (291440Z OCT 2003)
- 1883/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 310330Z TO 311530Z OCT IN AREA BOUND BY  
 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.  
 2. CANCEL THIS MSG 311630Z OCT. (291450Z OCT 2003)
- 1884/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 010130Z TO 011200Z NOV WITHIN  
 20 MILES OF 06-11N 090-35E.  
 2. CANCEL THIS MSG 011300Z NOV. (291500Z OCT 2003)
- 1885/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 01 THRU 07 NOV  
 WITHIN 25 MILES OF 14-01.0N 074-19.6E.  
 2. CANCEL THIS MSG 071230Z NOV. (291520Z OCT 2003)
- 1886/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 01 THRU 07 NOV  
 IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.  
 2. CANCEL THIS MSG 071330Z NOV. (291545Z OCT 2003)
- 1887/03(81). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 243 MHZ IN 12-36.3N 131-41.1E  
 AT 291535Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A  
 SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM. (291640Z OCT 2003)
- 1888/03 and 1889/03. CANCELED.
- 1890/03(81). NORTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 15-31.5N 162-11.6E  
 AT 300449Z OCT. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO RCC HONOLULU, TELEX: 392401,  
 PHONE: 808 541 2500, FAX: 808 541 2123. (300640Z OCT 2003)

**MARAD ADVISORIES**

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 30 October 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

**SPECIAL WARNINGS**

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 30 October 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

**MARINE INFORMATION****NEW EDITION OF SAILING DIRECTIONS**

Pub. 143, Sailing Directions (Enroute) West Coast of Europe and Northwest Africa, Eighth Edition, 2003, is ready for issue. This publication has been corrected to 19 July 2003, including Notice to Mariners No. 33 of 2003.

This edition is produced by NIMA in digital format only, available on CD-ROM and/or electronic access through the World Wide Web.

NIMA nautical publications as produced in digital format are more robust, expansive and customer friendly than the printed versions. Customers can expect access to data links between publication data sets, video streams, links to other websites, timely up-to-date information and current state of the art graphics, photos and commercial imagery.

Digital Nautical publications will be updated using a binary executable called "Publication Data Update (PDU)". PDU updates are cumulative or sequential ensuring customers will not miss any changes and may be accessed on the Maritime Safety Information Division website (<http://pollux.nss.nima.mil>).

Customers requiring paper versions of NIMA products may purchase them through the U.S. Government Printing Office (GPO) Superintendent of Documents. The NIMA point of contact for this effort is Mr. Adam Veracka (301)227-3173.

**NEW EDITION OF LIST OF LIGHTS**

Pub. 113, 2003 Edition, List of Lights, Radio Aids and Fog Signals for the West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), is ready for issue.

This edition contains information available to the National Imagery and Mapping Agency (NIMA) up to 13 September 2002, including Notice to Mariners No. 37 of 2003.

Corrections subsequent to the above effective date, up to and including Notice to Mariners No. 46 of 2003, are contained in Section II of this Notice.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Note: Copies of the above publication may be obtained from the Government Printing Office (GPO).

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

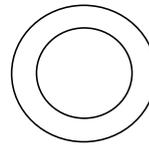
Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).





**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
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**ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET**

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

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Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

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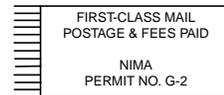
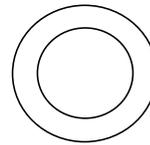
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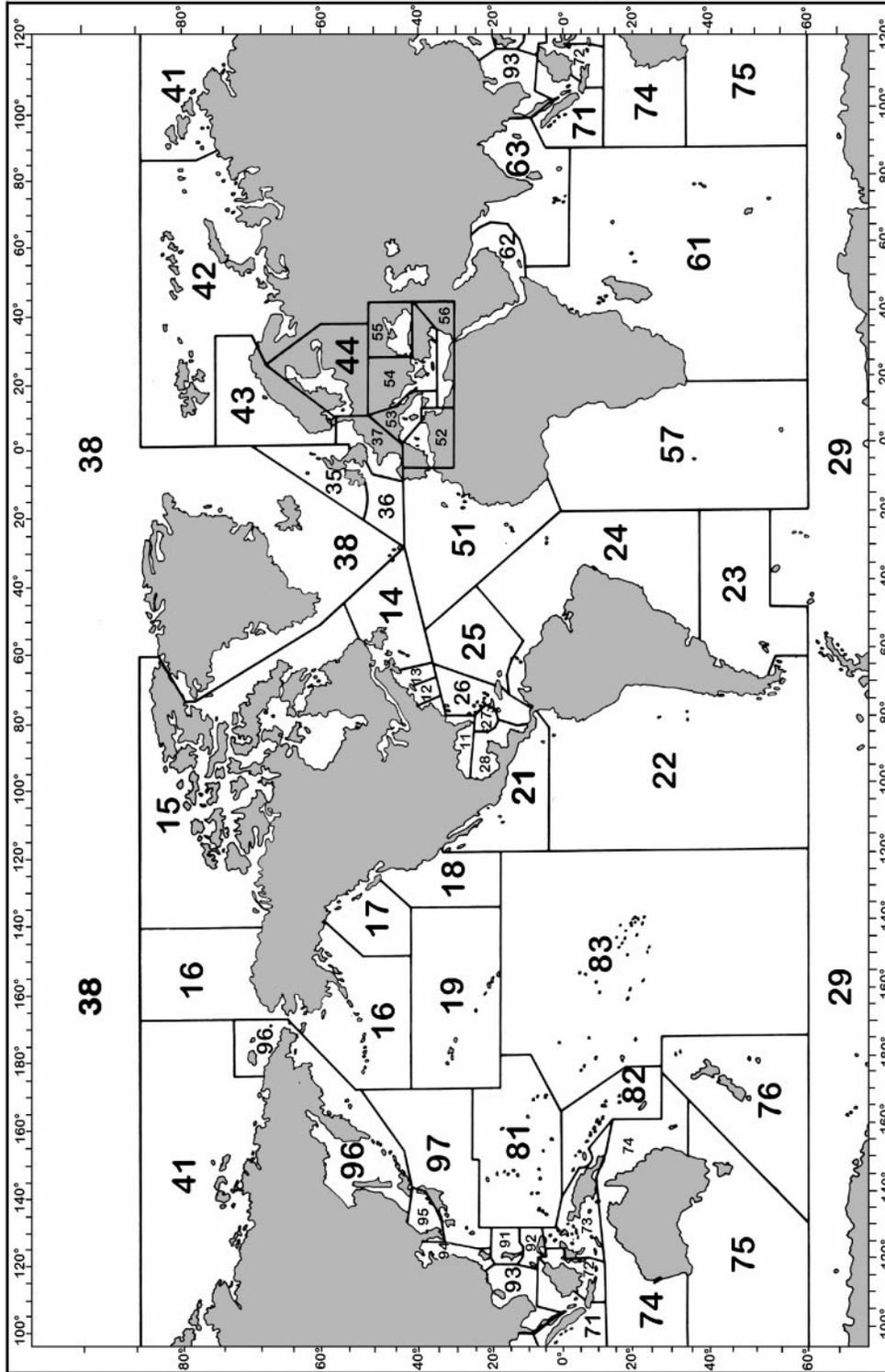
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**MARITIME SAFETY INFORMATION DIVISION  
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4600 SANGAMORE ROAD  
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# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

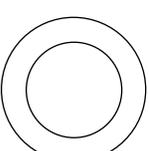
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MARINERS**

**PLEASE EXPEDITE DELIVERY**